| Protein<br>Accession<br>No.<br>NP_00133 |
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| lo.                                     |
|   |
| WF_00133                                |
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| NP 78316                                |
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| VP_06069                                |
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| Gene        | p-value  | ng to Figure 19 - Coronary Artery l<br>Description | Gene                    | Unigene   | Protein          |
|-------------|----------|--|-------------------------|-----------|------------------|
| ld ntifier  | p-varac  | Descripțion  | Accession               | Accession | Accession        |
| id illilei  | 1        |  | ,                       |           | · ·              |
| 201212 of   | 0.02008  | gb:NM_001975.1 /DEF=Homo                           | <b>No.</b><br>NM_001975 | No.       | No.<br>NP_001966 |
| 201313_at   | 0.02008  |  | ININI_00 1975           |           | JINP_00 1900     |
| ·           | ļ        | sapiens enolase 2, (gamma,                         |                         | }         | 1                |
|             |          | neuronal) (ENO2), mRNA.                            |                         |           |                  |
|             |          | /FEA=mRNA /GEN=ENO2                                |                         |           |                  |
|             |          | /PROD=enolase 2, (gamma,                           |                         | * .       |                  |
| •           | {        | neuronal) /DB_XREF=gi:5803010                      | :                       | **        | 1                |
|             | ŀ        | /UG=Hs.146580 enolase 2,                           |                         |           | 1                |
| • •         | ļ        | (gamma, neuronal)                                  |                         | * *       |                  |
|             |          | /FL=gb:BC002745.1                                  |                         |           | 1                |
|             |          | gb:NM_001975.1 gb:M22349.1                         | •                       | 0         |                  |
| 201314 at   | 0.03002  | gb:NM_006374.1 /DEF=Homo                           | NM 006374               |           | NP 006365        |
|             |          | sapiens serinethreonine kinase                     | _                       | -         | <del></del>      |
|             |          | 25 (Ste20, yeast homolog)                          |                         |           | *                |
| i •         |          | (STK25), mRNA. /FEA=mRNA                           |                         |           | e •              |
|             | *        | /GEN=STK25   | ]                       |           |                  |
|             |          | /PROD=serinethreonine kinase                       |                         |           | ` ``             |
|             | · .      |  |                         |           |                  |
|             | 1        | 25 (Ste20, yeasthomolog)                           | 1                       |           |                  |
|             |          | /DB_XREF=gi:5454173                                |                         | · .       |                  |
|             | ,        | /UG=Hs.155206 serinethreonine                      | *                       | .,        |                  |
| •           |          | kinase 25 (Ste20, yeast                            |                         |           |                  |
|             |          | homolog) /FL=gb:D63780.1                           |                         |           |                  |
|             |          | gb:NM_006374.1                                     |                         |           |                  |
| 201321_s_at | 0.046749 | gb:NM_003075.1 /DEF=Homo                           | NM_003075               |           | NP_620706        |
| 0           | ł .      | sapiens SWISNF related, matrix                     |                         | × .       |                  |
|             |          | associated, actin dependent                        |                         | .} · · ·  |                  |
|             | }        | regulator of chromatin, subfamily                  |                         | į         |                  |
| •           |          | c, member 2 (SMARCC2),                             | 1                       | <u> </u>  |                  |
|             |          | mRNA. /FEA=mRNA                                    |                         | · ·       |                  |
| o.          | · ·      | /GEN=SMARCC2                                       |                         |           | [                |
| •           |          | /PROD=SWISNF related, matrix                       | ł ·                     |           | i                |
|             | ' '      | associated, actindependent                         | 1                       |           |                  |
|             |          | regulator of chromatin, subfamily                  |                         |           |                  |
| -           |          | ic member 2  |                         |           | )                |
|             |          | /DB_XREF=gi:4507080                                | ľ                       |           | *                |
|             |          | /UG=Hs.236030 SWISNF related,                      |                         | [         |                  |
| 0           | ľ        |  |                         | 1 .       |                  |
|             | İ        | matrix associated, actin                           | } .                     | 1         | 1.               |
| ·           |          | dependent regulator of                             |                         | 1         |                  |
| ٠.          |          | chromatin, subfamily c, member                     |                         |           |                  |
|             |          | 2 /FL=gb:U66616.1                                  |                         |           | •                |
|             |          | gb:NM_003075.1                                     |                         | - 81      |                  |
|             |          |  |                         |           | 1                |
|             | 1        |  | 1                       | 1         | 1                |

|             |           | ng to Figure 19 - Coronary Artery I |             | <del>                                     </del> |             |
|-------------|-----------|-------------------------------------|-------------|--|-------------|
| Gene        | p-value   | D scription                         | Gene        | Unigene  | Protein     |
| ldentifier  |           |                                     | Accession   | Accession  | Acc ssion   |
|             |           |                                     | No.         | No.  | No.         |
| 201388_at   | 0.026842  | gb:NM_002809.1 /DEF=Homo            | NM_002809   |  | NP_002800   |
|             |           | sapiens proteasome (prosome,        | ,`          |  |             |
| - 10        | 4         | macropain) 26S subunit, non-        |             |  |             |
| ,           | ,         | ATPase, 3 (PSMD3), mRNA.            | . :         |  | ľ           |
|             |           | /FEA=mRNA /GEN=PSMD3                | A.          | 1  |             |
| 9           |           | /PROD=proteasome (prosome,          |             | [ ]  | [           |
|             |           | macropain) 26\$ subunit,non-        |             |  |             |
|             | · .       | ATPase, 3                           |             |  |             |
| /           |           | /DB_XREF=gi:4506228                 | ]           |  |             |
|             |           | /UG=Hs.9736 proteasome              | *.          |  |             |
|             | . "       | (prosome, macropain) 26S            | ļ           |  | j           |
|             | ·         | subunit, non-ATPase, 3              | e ×         | 1.   |             |
|             |           |                                     |             | ļ  |             |
|             |           | /FL=gb:BC000074.1                   |             |  |             |
|             |           | gb:BC004859.1 gb:D67025.1           | ļ           |  |             |
|             | 7 22 32 7 | gb:AF091075.1 gb:NM_002809.1        |             |  | 115 00454   |
| 201432_at   | 0.034721  | gb:NM_001752.1 /DEF=Homo            | NM_001752   | (g)  | NP_001743   |
|             |           | sapiens catalase (CAT), mRNA.       |             |  |             |
|             |           | /FEA=mRNA /GEN=CAT                  | 3           | 0  | -           |
|             |           | /PROD=catalase                      |             |  |             |
|             |           | /DB_XREF=gi:4557013                 |             |  |             |
|             |           | /UG=Hs.76359 catalase               |             | 1 .  |             |
|             |           | /FL=gb:NM_001752.1                  | ,           |  |             |
| 201439_at   | 0.025284  | gb:NM_004193.1 /DEF=Homo            | NM_004193   |  | NP_004184   |
|             |           | sapiens golgi-specific brefeldin A  |             |  | , ,         |
|             | 4.7       | resistance factor 1 (GBF1),         |             |  | 7.          |
|             |           | mRNA. /FEA=mRNA                     |             |  | ł .         |
|             |           | /GEN=GBF1 /PROD=golgi-              |             |  |             |
|             |           | specific brefeldin A resistance     |             |  | 1           |
|             | ,         | factor 1 /DB_XREF=gi:4758415        | <b>1</b>    |  |             |
|             |           | /UG=Hs.155499 golgi-specific        | 1           |  |             |
|             |           | brefeldin A resistance factor 1     | *           |  | İ           |
|             | ľ         |                                     | ٠.          |  | •           |
|             |           | /FL=gb:AF068755.1                   | 1.0         |  | 1           |
| 004450      | 0.004704  | gb:NM_004193.1                      | NINA 004705 | <del> </del>                                     | NP 004716   |
| 201458_s_at | 0.034721  | gb:NM_004725.1 /DEF=Homo            | NM_004725   |  | INP_0047 16 |
|             | -         | sapiens BUB3 (budding               |             |  |             |
|             |           | uninhibited by benzimidazoles 3,    | ,           |  |             |
|             |           | yeast) homolog (BUB3), mRNA.        |             | · ·  |             |
|             |           | /FEA=mRNA /GEN=BUB3                 |             | *  |             |
| *           |           | /PROD=BUB3 (budding                 |             | ,  |             |
| •           |           | uninhibited by benzimidazoles       |             |  | *           |
|             |           | 3,yeast) homolog                    | ·           |  | 1           |
|             |           | /DB_XREF=gi:4757879                 |             |  | -           |
|             |           | /UG=Hs.40323 BUB3 (budding          |             |  |             |
|             |           | uninhibited by benzimidazoles 3,    | ]           |  |             |
|             |           | yeast) homolog                      |             | ľ  | ***         |
|             |           | /FL=gb:BC005138.1                   |             | 1  | J           |
|             |           | gb:AF047472.1 gb:AF053304.1         |             |  |             |
|             | 1         | gb:AF081496.1 gb:NM_004725.1        |             | ,  | 1           |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery I                    | Disease           | -                                       |                      |
|--------------------|------------|--|-------------------|---|----------------------|
| Gene<br>Identifier | p-value    | Description  | Gene<br>Accession | Unigene<br>Accession                    | Protein<br>Accession |
| 201462 ot          | 0.020002   | gb:NM 014766.1 /DEF=Homo                               | No.<br>NM 014766  | No.                                     | No.                  |
| 201462_at          | 0.020893   | ı* =   | NIVI_U (4706      | 2                                       | NP_055581            |
| ·                  |            | sapiens KIAA0193 gene product                          | *                 |   |                      |
|                    |            | (KIAA0193), mRNA. /FEA=mRNA<br>/GEN=KIAA0193           |                   |   |                      |
| .***               |            | /PROD=KIAA0193 gene product                            |                   |   |                      |
|                    |            | /DB_XREF=gi:7661983                                    |                   |   | •                    |
| ë .                | - 50       | /UG=Hs.75137 KIAA0193 gene                             |                   |   |                      |
|                    |            | product /FL=gb:D83777.1                                | [                 | * | , 1                  |
| j                  | -          | gb:NM 014766.1   |                   | ]                                       | }                    |
| 201511_at          | 0.036254   | gb:NM_001087.1 /DEF=Homo                               | NM_001087         |   | NP_001078            |
|                    | .,         | sapiens angio-associated,                              |                   | •                                       |                      |
|                    |            | migratory cell protein (AAMP),                         |                   |   |                      |
|                    |            | mRNA. /FEA=mRNA  |                   | *                                       | <b>!</b>             |
| *                  |            | /GEN=AAMP /PROD=angio-                                 |                   |   |                      |
|                    |            | associated, migratory cell protein                     |                   | 1                                       |                      |
|                    | ,.         | /DB_XREF=gi:4557228                                    |                   | •                                       |                      |
|                    |            | /UG=Hs.83347 angio-associated,                         |                   |   |                      |
|                    |            | migratory cell protein                                 | }                 | 1                                       |                      |
|                    | ·          | /FL=gb:NM_001087.1                                     |                   |   |                      |
|                    | -          | gb:M95627.1  |                   |   |                      |
| 201516_at          | 0.018023   | gb:NM_003132.1 /DEF=Homo                               | NM_003132         |   | NP_003123            |
|                    |            | sapiens spermidine synthase                            |                   |   |                      |
|                    |            | (SRM), mRNA /FEA=mRNA                                  | :                 |   |                      |
|                    |            | /GEN=SRM /PROD=spermidine synthase /DB_XREF=gi:4507208 |                   |   |                      |
| ,                  | , ,        | /UG=Hs.76244 spermidine                                |                   |   |                      |
| -00                | . *        | synthase /FL=gb:BC000309.1                             | .v.               | * 1                                     |                      |
| }                  | ,          | gb:NM_003132.1 gb:M34338.1                             |                   |   |                      |
| 201522 x at        | 0.018023   | gb:NM 003097.2 /DEF=Homo                               | NM 003097         |   | NP_073719            |
|                    |            | sapiens small nuclear                                  |                   | *                                       | , _0, 0, ,0          |
|                    |            | ribonucleoprotein polypeptide N                        |                   |   | *                    |
|                    |            | (SNRPN), transcript variant 1,                         |                   |   |                      |
| · ·                |            | mRNA. /FEA=mRNA  | 1                 | ) .                                     |                      |
| , i                | ·          | /GEN=SNRPN /PROD=small                                 |                   |   |                      |
| ,                  | }          | nuclear ribonucleoprotein                              | 1                 | <b>.</b>                                | ļ                    |
| - *                |            | polypeptide N  |                   | ,                                       |                      |
|                    |            | /DB_XREF=gi:13027651                                   |                   | 1                                       | *                    |
| -                  |            | /UG=Hs.48375 small nuclear                             | *                 |   |                      |
|                    |            | ribonucleoprotein polypeptide N                        |                   | *                                       |                      |
| ] .                | ]          | /FL=gb:U41303.1  |                   | 1                                       | 1                    |
|                    |            | gb:NM_003097.2 gb:BC003180.1                           |                   | 1                                       |                      |
| 201520             | 0.040740   | gb:J04615.1  | DC200444          | 11- 04040                               | ND 000000            |
| 201528_at          | 0.046/49   | replication protein A1, 70kDa                          | BG398414          | Hs.84318                                | NP_002936            |

| G ne                       |          | ng to Figur 19 - Coronary Artery I |             | Unigene    | Protein     |
|----------------------------|----------|------------------------------------|-------------|------------|-------------|
|                            | p-value  | Description                        | Gene        |            |             |
| ldentifi r                 |          |                                    | Accession   | Accession  | Accession   |
|                            |          |                                    | No.         | No.        | No.         |
| 201532_at                  | 0.046749 | gb:NM_002788.1 /DEF=Homo           | NM_002788   |            | NP_687033   |
| •                          | i .      | sapiens proteasome (prosome,       |             |            |             |
|                            |          | macropain) subunit, alpha type,    |             |            |             |
| ~ .                        |          | 3 (PSMA3), mRNA. /FEA=mRNA         |             |            |             |
|                            |          | /GEN=PSMA3                         | ٠.          |            |             |
|                            |          | /PROD=proteasome (prosome,         |             | *          | 9           |
|                            |          | macropain) subunit, alphatype, 3   |             | _          |             |
|                            |          | /DB_XREF=gi:4506182                | 0.0         |            |             |
| · ·                        |          | /UG=Hs 167106 proteasome           |             | ]          | · .         |
|                            |          | (prosome, macropain) subunit,      | ,           |            | ÷           |
| ,                          |          | alpha type, 3                      | <i>'</i>    |            |             |
| (4)                        |          | /FL=gb:BC005265.1                  | 1           |            |             |
|                            |          | gb.NM 002788.1                     |             | 1          |             |
| 201544_x_at                | 0.046749 | poly(A) binding protein, nuclear 1 | BF675004    | Hs.117176  | NP 004634   |
| 201544_x_at<br>201545_s_at |          |                                    | NM 004643   | 113,117170 | NP_004634   |
| 201040_3_at                | 0,034721 | sapiens poly(A)-binding protein,   |             | * .        | 14i _004034 |
|                            | *-       | nuclear 1 (PABPN1), mRNA           |             |            | 1           |
|                            |          | //FEA=mRNA /GEN=PABPN1             |             |            |             |
| *                          |          |                                    | 0.00        |            |             |
|                            | ÷        | /PROD=poly(A)-binding protein,     | -8-         |            | Ì           |
|                            | - 00     | nuclear 1 /DB_XREF=gi:4758875      | 1           | 1          |             |
|                            |          | /UG=Hs.117176 poly(A)-binding      |             |            |             |
|                            |          | protein, nuclear 1                 |             | 120        |             |
|                            |          | /FL=gb:NM_004643.1                 |             |            |             |
|                            |          |                                    |             |            |             |
| 201548_s_at                | 0.025284 | putative DNA/chromatin binding     | AA729218    | Hs.143323  | NP_006609   |
|                            |          | motif                              |             |            |             |
| 201555_at                  | 0.034721 | gb:NM_002388.2 /DEF=Homo           | NM_002388   | ļ          | NP_002379   |
|                            |          | sapiens minichromosome             | 0           | ÷          |             |
|                            | . +      | maintenance deficient (S.          |             |            |             |
|                            |          | cerevisiae) 3 (MCM3), mRNA.        |             |            |             |
| *                          |          | /FEA=mRNA /GEN=MCM3                | *           | 1          |             |
| - 0.                       |          | /PROD=minichromosome               |             |            | 0.          |
|                            |          | maintenance deficient              |             | v*         |             |
| -                          | <i>'</i> | (S.cerevisiae) 3                   |             | .70        | 1           |
|                            |          | /DB_XREF=gi:6631094                | 1           | 1          | 1 .         |
|                            |          | /UG=Hs 179565 minichromosome       | ·           |            |             |
|                            |          | maintenance deficient (S.          |             |            |             |
|                            | ļ'       | cerevisiae) 3 /FL=gb:BC001626.1    | 1           |            | 1           |
|                            |          | gb:NM 002388.2 gb:D38073.1         | -           | · ·        | Ì           |
| =                          |          |                                    |             |            |             |
|                            |          | <u> </u>                           | <del></del> |            |             |

| G ne                                  |          | ng to Figur 19 - Coronary Artery L |            | Unigene   | Protein       |
|---------------------------------------|----------|------------------------------------|------------|-----------|---------------|
|                                       | p-valu   | D scription                        | Gene       | 7         |               |
| ldentifier                            |          | `                                  | Acc ssion  | Accession | Accession     |
| AA45651 11                            | 0.004704 | L NIA 000400 4 7DEE 11             | No.        | No.       | No.           |
| 201565_s_at                           | 0.034721 |                                    | NM_002166  | *         | NP_002157     |
| •                                     |          | sapiens inhibitor of DNA binding   | •          |           | <b>.</b>      |
|                                       |          | 2, dominant negative helix-loop-   | · • •      | . 4-      |               |
| ÷                                     |          | helix protein (ID2), mRNA.         |            |           |               |
| ÷ . •                                 |          | /FEA=mRNA /GEN=ID2                 | *          |           | 9             |
|                                       |          | /PROD=inhibitor of DNA binding     |            | ,         |               |
|                                       |          | 2, dominant negativehelix-loop-    |            | + ±*      | 30            |
| ,                                     | *        | helix protein                      |            | . "       |               |
| •                                     |          | /DB_XREF=gi:4504570                |            |           |               |
|                                       |          | /UG=Hs.180919 inhibitor of DNA     | j.         |           |               |
|                                       |          | binding 2, dominant negative       |            |           |               |
| * *                                   |          | helix-loop-helix protein           |            |           | * 1           |
|                                       |          | /FL=gb:M97796.1                    |            |           |               |
|                                       | **       | gb:NM_002166.1 gb:D13891.1         |            |           | -             |
| 201572_x_at                           | 0.046749 | gb:NM 001921.1 /DEF=Homo           | NM 001921  |           | NP 00191      |
| 201072_X_at                           | 0.040740 | sapiens dCMP deaminase             | 1551521    |           |               |
|                                       | ٠        | (DCTD), mRNA. /FEA=mRNA            |            | ;         |               |
|                                       |          | /GEN=DCTD /PROD=dCMP               | 2.0        |           |               |
|                                       |          | Ideaminase                         |            |           |               |
|                                       |          |                                    |            | · ·       |               |
|                                       | ***      | //DB_XREF=gi:4503276               |            |           | 2 00          |
|                                       | · ·      | /UG=Hs.76894 dCMP deaminase        |            |           | · .           |
|                                       |          | /FL=gb:L12136.1                    |            |           | ,             |
| 004504                                | 0.040000 | gb:NM_001921.1                     | NIM 005004 |           | ND COOFF      |
| 201584_s_at                           | 0.018023 | gb:NM_005804.1 /DEF=Homo           | NM_005804  | . *       | NP_62055      |
|                                       |          | sapiens nuclear RNA helicase,      | Z .        |           |               |
| . ***                                 |          | DECD variant of DEAD box           |            | 1         | <b>1.</b> , , |
|                                       | -        | family (DDXL), mRNA.               | -          |           |               |
|                                       | ٦        | /FEA=mRNA /GEN=DDXL                |            |           |               |
|                                       |          | /PROD=nuclear RNA helicase,        | ·          | 1.        | 500           |
|                                       |          | DECD variant of DEAD               |            | =         |               |
|                                       |          | boxfamily /DB_XREF=gi:5031658      |            |           | 1             |
|                                       | -        | /UG=Hs.179606 nuclear RNA          |            |           |               |
|                                       |          | helicase, DECD variant of DEAD     |            |           | -3:-          |
|                                       |          | box family /FL=gb:BC001009.1       | ·          |           |               |
|                                       | 1        | gb:U90426.1 gb:NM_005804.1         |            |           |               |
|                                       |          |                                    |            | ,         |               |
|                                       |          |                                    | . 2        |           |               |
| 201606_s_at                           | 0.046749 | nuclear phosphoprotein similar to  | BE796924   | Hs.172589 | NP_00899      |
| · · · · · · · · · · · · · · · · · · · | 1        | S. cerevisiae PWP1                 |            |           |               |

|             |           | ng to Figure 19 - Coronary Artery I |              |           |            |
|-------------|-----------|-------------------------------------|--------------|-----------|------------|
| Gene        | p-value   | Description                         | Gene         | Unigene   | Protein    |
| Identifier  | *         |                                     | Accession    | Accession | Accession  |
|             |           |                                     | No.          | No.       | No.        |
| 201608_s_at | 0.046749  | gb:NM 007062.1 /DEF=Homo            | NM 007062    | 110.      | NP_008993  |
| a.          | 0.0107,10 | sapiens nuclear phosphoprotein      | 11111_007002 |           | -000000    |
|             | •         | similar to S. cerevisiae PWP1       |              |           |            |
|             |           |                                     | • •          |           |            |
| *           |           | (PWP1), mRNA. /FEA=mRNA             |              |           |            |
|             |           | /GEN=PWP1 /PROD=nuclear             |              |           |            |
| •           |           | phosphoprotein similar to S.        | * -          | 1         | o.         |
| 00          |           | cerevisiaePWP1                      |              |           |            |
| -0.0        | A         | /DB_XREF=gi:5902033                 |              |           | 0          |
| ٠.          | •         | /UG=Hs.172589 nuclear               |              | 0         |            |
|             | 0         | phosphoprotein similar to S.        | l ,          |           |            |
|             | •         | cerevisiae PWP1                     |              | a         |            |
| 1 6,        |           |                                     |              |           |            |
|             |           | /FL=gb:BC001652.1 gb:L07758.1       |              |           |            |
|             |           | gb:NM_007062.1                      |              |           |            |
| 201613_s_at | 0.046749  | gb:BC000519.1 /DEF=Homo             | BC000519     |           | ,          |
| *           |           | sapiens, RuvB (E coli homolog)-     |              |           | -          |
| ·           |           | like 1, clone MGC:8557, mRNA,       |              |           |            |
|             |           | complete cds. /FEA=mRNA             | ,            |           |            |
| j.          |           | /PROD=RuvB (E coli homolog)-        |              |           |            |
|             | •         | like 1 /DB_XREF=gi:12653494         |              |           | •_         |
|             |           |                                     |              |           |            |
|             | ۲.        | /UG=Hs.272822 RuvB (E coli          |              |           |            |
| ,           |           | homolog)-like 1                     | ٠            |           |            |
|             |           | /FL=gb:BC000519.1                   | •            | - '       |            |
|             | -         | gb:BC002993.1 gb:AB012122.1         |              |           | g.         |
| , ,         |           | gb:AF070735.1 gb:AF099084.1         |              |           |            |
|             | •         | gb:NM_003707.1                      | *            |           |            |
|             |           |                                     |              |           |            |
| 201623 s at | 0.046749  | gb:BC000629.1 /DEF=Homo             | BC000629     |           | NP 001340  |
| 201920_3_4  | 0.040743  | 1 -                                 |              |           | -00 15-10  |
|             |           | sapiens, Similar to aspartyl-tRNA   |              |           | ,          |
|             |           | synthetase, clone MGC:1562,         | -            |           |            |
|             | 0         | mRNA, complete cds.                 |              | -         | <b>.</b>   |
|             |           | /FEA=mRNA /PROD=Similar to          | ,            |           | 4,         |
|             |           | aspartyl-tRNA synthetase            |              |           |            |
| ~           |           | /DB_XREF=gi:12653688                |              |           |            |
|             |           | /UG=Hs.80758 aspartyl-tRNA          |              |           |            |
|             |           | synthetase /FL=gb:BC000629.1        | •. "         |           |            |
|             |           | gb:J05032.1 gb:NM_001349.1          | ·            |           |            |
|             |           | gb.303032.1   gb.18181_001349.1     | 1            |           |            |
| 004000      | 0.040=45  |                                     | NIKA GO (COC |           | ND 00000   |
| 201630_s_at | 0.046749  | gb:NM_004300.1 /DEF=Homo            | NM_004300    |           | NP_808222  |
| ,           | · ·       | sapiens acid phosphatase 1,         |              |           |            |
| . 9.        |           | soluble (ACP1), transcript variant  |              |           | ,          |
|             |           | a, mRNA. /FEA=mRNA                  |              |           |            |
|             |           | /GEN=ACP1 /PROD=acid                |              | }         | 20         |
|             |           | phosphatase 1 isoform a             |              |           | <b>l</b> . |
| . (1        |           | /DB_XREF=gi:4757713                 |              |           |            |
|             |           |                                     | 2            | .[        | ,          |
|             |           | /UG=Hs.75393 acid phosphatase       |              |           | <b>]</b> . |
|             |           | 1, soluble /FL=gb:M83653.1          |              |           | 1          |
|             |           | gb:NM_004300.1                      |              |           |            |
|             | l         |                                     |              | I         | I          |

| Gene List Co | rrespondir            | ng to Figure 19 - Coronary Artery I               | Disease      | · ·       | -            |
|--------------|-----------------------|---|--------------|-----------|--------------|
| G ne         | p-value               | Description                                       | Gene         | Unigene   | Protein      |
| ld ntifier   | 4.                    | *   | Accession    | Accession | Accession    |
|              | <i></i>               | · ·   | No.          | No.       | No.          |
| 201633_s_at  | 0.027792              | cytochrome b5 outer mitochondrial                 | AW235051     | Hs.381218 | NP_085056    |
|              |                       | membrane precursor                                |              |           |              |
| 3            |                       | ,   |              | *         | - 0.         |
| 201635_s_at  | 0.018222              | fragile X mental retardation,                     | AI990766     | Hs.82712  | NP_005078    |
|              |                       | autosomal homolog 1                               |              |           |              |
| 201647_s_at  | 0.046749              | gb:NM_005506.1 /DEF=Homo                          | NM_005506    |           | NP_005497    |
|              |                       | sapiens CD36 antigen (collagen                    |              |           |              |
|              |                       | type I receptor, thrombospondin                   | ·            | • 0       |              |
| ·            | *                     | receptor)-like 2 (lysosomal                       |              |           |              |
| 191          | , a                   | integral membrane protein II)                     | 52-          |           |              |
| 7            |                       | (CD36L2), mRNA. /FEA=mRNA                         |              |           | - 4          |
|              |                       | /GEN=CD36L2 /PROD=CD36                            |              |           |              |
|              |                       | antigen (collagen type I                          |              |           |              |
|              |                       | receptor,thrombospondin                           |              |           |              |
|              | * -                   | receptor)-like 2 (lysosomal                       |              |           |              |
|              |                       | integralmembrane protein II)                      |              |           | _            |
|              |                       | /DB_XREF=gi:5031630                               | · ·          |           |              |
|              |                       | /UG=Hs.323567 CD36 antigen                        |              |           | • 00         |
|              | 4                     | (collagen type I receptor,                        | ·            |           | 9            |
| , 0          |                       | thrombospondin receptor)-like 2                   |              | * :       | - 00         |
|              |                       | (lysosomal integral membrane                      | - '          |           |              |
|              | ,                     | protein II) /FL=gb:D12676.1                       |              | · e       |              |
| •            |                       | gb:NM_005506.1                                    |              |           |              |
| 201649_at    | 0.034721              | gb:NM_004223.1 /DEF=Homo                          | NM 004223    |           | NP_004214    |
| 201040_at    | 0.00-1121             | sapiens ubiquitin-conjugating                     | 14141_004223 |           | 141 _0042 14 |
| -8-          |                       | enzyme E2L 6 (UBE2L6),                            |              |           | •            |
|              |                       | mRNA. /FEA=mRNA                                   |              |           | · · · .      |
| , v          | ``.                   | /GEN=UBE2L6 /PROD=ubiquitin-                      |              |           |              |
|              | I ·                   | conjugating enzyme E2L 6                          |              | •         | ' "          |
|              | -8-                   | /DB XREF=gi:4759281                               | 1 ,          |           |              |
|              | .*                    | /UG=Hs.169895 ubiquitin-                          | *            | l         |              |
|              |                       | conjugating enzyme E2L 6                          | * *          | *         |              |
|              |                       |   | -            | , , .     |              |
|              |                       | /FL=gb:AF031141.1<br>gb:AF061736.1 gb:NM_004223.1 |              |           | ·            |
| 201661 s at  | 0.034724              | gb:NM_004457.2 /DEF=Homo                          | NIM DOMAST   |           | ND 004440    |
| 201001_S_at  | Ų.Ų34 <i>Į∠</i> I<br> |   | NM_004457    |           | NP_004448    |
|              |                       | sapiens fatty-acid-Coenzyme A                     |              | 0         |              |
|              |                       | ligase, long-chain 3 (FACL3),                     | * *          | *         | •            |
|              |                       | mRNA. /FEA=mRNA                                   |              |           |              |
|              | 4.00                  | /GEN=FACL3 /PROD=long-chain                       |              |           | ۰            |
|              |                       | fatty-acid-Coenzyme A ligase 3                    |              | ,         |              |
|              |                       | /DB_XREF=gi:12669907                              |              |           |              |
| ·            |                       | /UG=Hs.268012 fatty-acid-                         |              |           |              |
| *            |                       | Coenzyme A ligase, long-chain                     | ·            |           |              |
|              |                       | 3 /FL=gb:NM_004457.2                              |              |           |              |
|              |                       | gb:D89053.1 gb:AF116690.1                         |              | , :       |              |
| <u> </u>     |                       |   |              | <u> </u>  |              |

| Gene List Co |            | ng to Figure 19 - Coronary Artery I<br>Description     | Gene                                  | Unigene                                | Protein   |
|--------------|------------|--|---------------------------------------|--|-----------|
|              | P-value    | pescubuon  |                                       | _                                      |           |
| Identifier   |            |  | Accession                             | Accession                              | Accession |
|              |            |  | No.                                   | No.                                    | No.       |
| 201680_x_at  | 0.046749   | gb:NM_015908.1 /DEF=Homo                               | NM_015908                             |  | NP_056992 |
| , .          |            | sapiens arsenate resistance                            |                                       |  |           |
|              |            | protein ARŞ2 (ARS2), mRNA.                             | · .                                   | -                                      |           |
|              |            | /FEA=mRNA /GEN=ARS2                                    |                                       | \.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\. | ,         |
|              |            | /PROD=arsenate resistance                              |                                       |  |           |
|              |            | protein ARS2   | . 0                                   |  |           |
|              |            | /DB_XREF=gi:7706237                                    |                                       |  |           |
|              |            | /UG=Hs.111801 arsenate                                 | :                                     | ]                                      | · .       |
| •            |            | resistance protein ARS2                                |                                       |  |           |
|              | i e        | /FL=gb:BC000082.1                                      |                                       |  | 9         |
|              |            | gb:AF082871.1 gb:NM_015908.1                           |                                       | ,                                      |           |
| 201683_x_at  | 0.038017   | KIAA0737 gene product                                  | BE783632                              | Hs.194035                              | NP 055643 |
|              |            | tumor protein D52                                      | BE974098                              | Hs.2384                                | NP 005070 |
| 201697 s_at  | 0.025284   | gb:NM_001379.1 /DEF=Homo                               | NM_001379                             | *                                      | NP 001370 |
|              |            | sapiens DNA (cytosine-5-)-                             | · . –                                 |  |           |
|              | 0          | methyltransferase 1 (DNMT1),                           |                                       |  | ·         |
|              |            | mRNA. /FEA=mRNA  |                                       |  |           |
|              |            | /GEN=DNMT1 /PROD=DNA                                   |                                       |  |           |
|              |            | (cytosine-5-)-methyltransferase 1                      |                                       | ·                                      |           |
|              |            | /DB_XREF=gi:4503350                                    | , .                                   | · ·                                    |           |
|              |            | /UG=Hs.77462 DNA (cytosine-5-)-                        |                                       | e p                                    |           |
| ÷            |            | methyltransferase 1                                    |                                       |  |           |
|              | * =        | /FL=gb:NM_001379.1                                     |                                       |  |           |
| 201711 x at  | 0.025284   | RAN binding protein 2                                  | Al681120                              | Hs.179825                              | NP_00625  |
| 201720_s_at  |            | Lysosomal-associated                                   | AI589086                              | Hs.79356                               | NP 00675  |
| a.           | 0.00.72    | multispanning membrane protein-5                       |                                       | 110.1.0000                             |           |
|              |            | Trialisparining membrane protein o                     |                                       |  |           |
| 201728 s at  | 0.018693   | KIAA0100 gene product                                  | AA904674                              | Hs.151761                              |           |
| 201739_at    |            | gb:NM_005627.1 /DEF=Homo                               | NM_005627                             | 1                                      | NP 005618 |
| _5           | 3.5 197 19 | sapiens serumglucocorticoid                            | 555527                                |  | 155551    |
|              | - 1        | regulated kinase (SGK), mRNA.                          |                                       |  | • • •     |
|              |            | /FEA=mRNA /GEN=SGK                                     |                                       |  |           |
|              |            | /PROD=serumglucocorticoid                              | `·                                    |  |           |
|              |            | regulated kinase                                       | · · · · · · · · · · · · · · · · · · · |  | *         |
|              |            | /DB_XREF=gi:5032090                                    |                                       |  |           |
|              |            | //UG=Hs.296323   | }                                     | =                                      |           |
|              |            |  |                                       | <b>Q</b>                               |           |
|              |            | serumglucocorticoid regulated kinase /FL=gb:BC001263.1 |                                       |  |           |
|              |            |  |                                       | =                                      | ,         |
|              |            | gb:NM_005627.1 gb:AF153609.1                           |                                       |  |           |
|              |            |  |                                       | 1                                      | 1         |

|             |          | ng to Figure 19 - Coronary Artery                      | Disease     | -           | 1            |
|-------------|----------|--|-------------|-------------|--------------|
| Gene        | p-value  | Description  | Gene        | Unigene     | Protein      |
| Identifier  | •        | * * *  | Accession   | Accession   | Accession    |
| idonano,    |          |  | No.         | No.         | No.          |
| 201749 p ot | 0.036254 | gb:NM 002967.1 /DEF=Homo                               | NM_002967   | INO.        | NP_002958    |
| 201748_s_at | 0.030234 |  | MINI_002907 |             | NP_002936    |
|             |          | sapiens scaffold attachment                            |             | \           | ì            |
|             |          | factor B (SAFB), mRNA.                                 |             |             | 0            |
| ٠           |          | /FEA=mRNA /GEN=SAFB                                    |             |             | ļ            |
| . 8         |          | /PROD=scaffold attachment                              |             | •           | 1;,          |
|             |          | factor B /DB XREF=gi:4506778                           |             | i .         |              |
|             |          | /UG=Hs.23978 scaffold                                  |             | (0)         | ĺ            |
|             | \        |  | • 1         |             |              |
|             |          | attachment factor B                                    | - 3         |             |              |
|             |          | /FL=gb:U72355.1  |             | ļ           | ٠.           |
|             |          | gb:NM_002967.1   |             |             |              |
| 201775_s_at | 0.046749 | Consensus includes                                     | AK001487    | * 1 1 2 -   | NP_055589    |
|             |          | gb:AA676790 /FEA=EST                                   |             | i .         |              |
|             |          | /DB_XREF=gi:2657312                                    | ĺ           | l           |              |
| •           |          | /DB_XREF=est:zj64h12.s1                                | <b>1</b>    | ,           |              |
|             | ,        |  |             |             |              |
|             |          | /CLONE=IMAGE:455111                                    | 1           |             | ,            |
|             | **       | /UG=Hs.62515 KIAA0494 gene                             | 90          |             |              |
|             |          | product /FL=gb:BC002525.1                              | 1           |             | 1            |
|             |          | gb:AB007963.1 gb:NM_014774.1                           |             |             |              |
| •           |          | -  |             | : *         |              |
| 01853 s at  | 0.018023 | gb:NM_021873.1 /DEF=Homo                               | NM 021873   |             | NP_068660    |
|             | 0.0,0020 | sapiens cell division cycle 25B                        | 1           | ,           |              |
|             |          |  |             |             |              |
|             | •        | (CDC25B), transcript variant 3,                        | *           | ,           |              |
|             |          | mRNA. /FEA=mRNA  | **          |             | · · ·        |
|             |          | /GEN=CDC25B /PROD=cell                                 |             |             |              |
| •           | . •      | division cycle 25B, isoform 3                          | •           |             |              |
| • •         |          | /DB_XREF=gi:11641412                                   |             | 1           |              |
|             | •        | /UG=Hs.153752 cell division                            |             |             |              |
|             |          | cycle 25B /FL=gb:NM_021873.1                           |             |             | 00           |
|             | ľ        | Cycle 23B // L=gb.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |             | 0           | :            |
| 01050       | 0.024704 |  | 0.000076    | <del></del> | <del></del>  |
| 01856_s_at  | 0.034721 | gb:BC000376.1 /DEF=Homo                                | BC000376    | · .         |              |
|             |          | sapiens, clone MGC:8379,                               |             |             | Į            |
|             | Ì        | mRNA, complete cds.                                    |             | · ·         |              |
| 0.0         |          | /FEA=mRNA /PROD=Unknown                                |             | <b>'</b>    |              |
|             |          | (protein for MGC:8379)                                 |             |             |              |
|             |          | UDD VDEE : 40050040 :                                  | *           | 1           |              |
| •           |          | //UG=Hs.173518 M-phase                                 |             |             | Ì            |
|             | -10      |  |             | 8           | -8-          |
|             |          | phosphoprotein homolog                                 |             | 1           |              |
|             |          | /FL=gb:BC000376.1                                      | *           |             | · .          |
|             | ļ        | gb:BC000746.1 gb:AF100742.1                            | 1           | <b>\</b>    | 1            |
|             |          | gb:NM 016107.1   |             |             |              |
| 201858_s_at | 0.034721 |  | J03223      |             | NP_002718    |
|             | ,        | secretory granule proteoglycan                         | ,           |             | ,,, _552. 15 |
|             |          |  | *           | <b>l</b> .  | \            |
|             |          | peptide core mRNA, complete                            |             | I           | 1            |
|             |          | cds. /FEA=mRNA /GEN=PRG1                               |             | 1           |              |
|             |          | /DB_XREF=gi:190419                                     |             |             |              |
|             |          | /UG=Hs.1908 proteoglycan 1,                            |             | 1           |              |
|             |          | secretory granule                                      |             |             | -            |
|             |          | /FL=gb:J03223.1  | 1           | 1           |              |
|             |          | gb:NM_002727.1   |             |             |              |
|             | I        | YU.14141-002-1-2-11                                    |             | 1           | I            |

| Gene List Co | rrespondir | ng to Figure 19 - Coronary Artery I | Disease   |           |                  |
|--------------|------------|-------------------------------------|-----------|-----------|------------------|
| Gene         | p-value    | Description                         | Gene      | Unigene   | Protein          |
| ldentifier   |            |                                     | Accession | Accession | Accession        |
|              |            | · ,                                 | No.       | No.       | No.              |
| 201861_s_at  | 0.018023   | leucine rich repeat (in FLII)       | BF965566  | Hs.326159 | NP_004726        |
|              |            | interacting protein 1               |           |           |                  |
| 201878_at    | 0.046749   | Consensus includes gb:N25546        | NM 005744 | 10        | NP_005735        |
|              | '          | /FEA=EST                            | _         | n 81      |                  |
|              |            | /DB_XREF=gi:1139894                 |           |           |                  |
|              |            | /DB_XREF=est:yx76e05.s1             |           | u-        |                  |
|              | ÷          | /CLONE=IMAGE:267680                 |           |           |                  |
| , ,          |            | /UG=Hs.181461 ariadne               |           |           |                  |
|              |            | (Drosophila) homolog, ubiquitin-    |           |           |                  |
|              |            | conjugating enzyme E2-binding       |           |           |                  |
| (0)          | 0)         | protein, 1 /FL=gb:AF072832.1        |           | 1 to 1    |                  |
|              |            | gb:NM_005744.2                      |           |           |                  |
| 201879 at    | 0.034721   | Consensus includes gb:Al694332      | NM 005744 |           | NP 005735        |
| _            |            | /FEA=EST                            | _         |           | <del>-</del>     |
|              | • (•       | /DB_XREF=gi:4971672                 | * .       | - 1       | . *              |
| -00          |            | /DB XREF=est:wd45e11.x1             |           |           | •                |
|              |            | /CLONE=IMAGE:2331116                | * .       |           | •                |
|              | ·          | /UG=Hs.181461 ariadne               |           |           |                  |
|              | ',         | (Drosophila) homolog, ubiquitin-    |           |           |                  |
|              |            | conjugating enzyme E2-binding       |           |           | *                |
|              |            | protein, 1 /FL=gb:AF072832.1        |           |           | ÷.               |
| *            |            | gb:NM_005744.2                      | b. 40 (   |           |                  |
| 201883_s_at  | 0.049425   | gb:D29805.1 /DEF=Human              | D29805    | _         | NP_001488        |
|              | *          | mRNA for beta-1,4-                  |           |           | _                |
| ,            |            | galactosyltransferase, complete     | a •       |           |                  |
| •            |            | cds. /FEA=mRNA /PROD=beta-          |           |           |                  |
|              |            | 1,4-galactosyltransferase           |           | 8         |                  |
|              |            | /DB_XREF=gi:474986                  |           |           |                  |
|              |            | /UG=Hs.198248 UDP-                  |           |           |                  |
|              |            | Gal:betaGlcNAc beta 1,4-            |           |           |                  |
|              |            | galactosyltransferase, polypeptide  |           |           | , <del>-</del> _ |
|              | ,          | 1 /FL=gb:NM_001497.1                | -         |           |                  |
| . •          | •          | gb:D29805.1                         | . 0       |           | 3                |
| <u> </u>     |            | ,                                   |           |           |                  |
| 201888_s_at  | 0.034721   | gb:U81379.3 /DEF=Homo               | U81379    |           | NP_001551        |
| σ .          |            | sapiens interleukin-13 receptor     | ,         |           |                  |
|              |            | mRNA, complete cds.                 | - 0       |           |                  |
|              |            | /FEA=mRNA /PROD=interleukin-        |           |           |                  |
|              |            | 13 receptor                         | 1         |           |                  |
| ,            |            | /DB_XREF=gi:5870850                 |           |           |                  |
| ÷            | -          | /UG=Hs.285115 interleukin 13        |           |           |                  |
| -V-          |            | receptor, alpha 1                   |           | _         |                  |
|              |            | /FL=gb:NM_001560.1                  |           |           | ·.               |
|              |            | gb:U81379.3                         |           |           | *                |

| Gene List Co | rr spondir | ng to Figure 19 - Coronary Artery   | Dis ase      |  |             |
|--------------|------------|-------------------------------------|--------------|--|-------------|
| Gen          | p-value    | Description                         | Gene         | Unigene                                  | Protein     |
| Identifier   | •          |                                     | Acc ssion    | Accession                                | Accession   |
|              | 2 0        | •                                   | No.          | No.                                      | No.         |
| 201953 at    | 0.046749   | gb:NM_006384.2 /DEF=Homo            | NM 006384    | 110.                                     | NP 006375   |
| 201000_at    | 0.040743   | sapiens calcium and integrin        | 14141_000004 | *  | 1411_000370 |
| į.           | 101        |                                     |              | 7  |             |
|              | -          | binding protein (DNA-dependent      |              |  | •           |
|              |            | protein kinase interacting protein) |              |  |             |
|              |            | (SIP2-28), mRNA /FEA=mRNA           |              | *  | -           |
|              | .v.        | /GEN=SIP2-28 /PROD=calcium          |              |  |             |
|              | J          | and integrin binding protein        | · .          |  | •           |
|              |            | /DB_XREF=gi:9951921                 |              |  |             |
|              | -          | /UG=Hs.10803 calcium and            |              |  |             |
|              |            | integrin binding protein (DNA-      |              |  |             |
|              |            |                                     |              |  |             |
|              |            | dependent protein kinase            | ·            | *  |             |
|              |            | interacting protein)                |              |  |             |
| 5            |            | /FL=gb:BC000846:1 gb:U83236.1       |              |  | 1           |
|              | ļ ·        | gb:U82226.1 gb:U85611.1             |              |  |             |
| 8            |            | gb:NM 006384.2                      |              |  |             |
|              | ·          | <b>V</b> -                          |              |  |             |
| 201959 s_at  | 0.026013   | KIAA0916 protein                    | AA488899     | Hs.151411                                | NP 055872   |
| 201967 at    |            | gb:NM 005777.1·/DEF=Homo            | NM 005777    | 110.101111                               | NP_005768   |
| 201907_at    | 0.040749   | sapiens RNA binding motif           | 14141_003777 | ł  | NF_003700   |
| · .          |            |                                     |              | ; * **                                   |             |
|              |            | protein 6 (RBM6), mRNA.             |              | ٠,                                       |             |
|              |            | /FEA=mRNA /GEN=RBM6                 |              | 7  |             |
|              |            | /PROD=RNA binding motif             |              | ÷  |             |
|              |            | protein 6 /DB_XREF=gi:5032032       |              |  |             |
| . ,          | ] :        | /UG=Hs.173993 RNA binding           | _            |  |             |
| *            |            | motif protein 6                     | <b>1</b>     | . "                                      |             |
|              |            | /FL=gb:AF042857.1                   |              | \$-                                      | 9           |
|              |            | gb:AF069517.1 gb:U50839.1           |              |  |             |
|              |            |                                     |              |  |             |
|              |            | gb:AF091264.1 gb:NM_005777.1        |              | 8  | • •         |
| 001000       | 0.040746   |                                     | 1114 040405  |  | N.D. 000555 |
| 201980_s_at  | 0.046749   | gb:NM_012425.2 /DEF=Homo            | NM_012425    |  | NP_036557   |
| • "          |            | sapiens Ras suppressor protein      |              |  | 4           |
| :            |            | 1 (RSU1), mRNA. /FEA=mRNA           | · · · · · ·  | *  | · ·         |
|              | ]          | /GEN=RSU1 /PROD=ras                 |              | -)(-                                     |             |
|              | '          | suppressor protein 1                | ÷            | * .                                      |             |
|              |            | /DB_XREF=gi:10800408                | l.           |  | *           |
| * .          |            | /UG=Hs.75551 Homo sapiens           | *            |  | **          |
| *            |            |                                     |              |  | *           |
| er '         |            | Ras suppressor protein 1            |              |  |             |
|              |            | (RSU1), mRNA                        |              |  |             |
|              | A 22 11 1  | /FL=gb:NM_012425.2                  | *            | ., ., ., ., ., ., ., ., ., ., ., ., ., . |             |
| 201992_s_at  | 0.025284   | gb:NM_004521.1 /DEF=Homo            | NM_004521    |  | NP_004512   |
| 1            | ·          | sapiens kinesin family member       | 100          | 1  | ì           |
|              |            | 5B (KIF5B), mRNA. /FEA=mRNA         |              |  |             |
| - X-         | y, *       | /GEN=KIF5B /PROD=kinesin            |              |  |             |
|              |            | family member 5B                    |              |  |             |
|              |            | /DB_XREF=gi:4758647                 |              |  |             |
|              |            |                                     |              |  |             |
|              |            | /UG=Hs.149436 kinesin family        |              |  | <b>,</b> "  |
| ·            | *          | member 5B                           |              |  |             |
|              |            | /FL=gb:NM_004521.1                  | 1            |  | 1           |

|                                       |          | ng to Figure 19 - Coronary Art ry | T .       | Hairen    | Dui 42:m  |
|---------------------------------------|----------|-----------------------------------|-----------|-----------|-----------|
| Gene                                  | p-valu   | Description                       | Gene      | Unigene   | Protein   |
| Identifier                            |          | ŕ                                 | Accession | Accession | Accession |
|                                       |          |                                   | No.       | No.       | No.       |
| 201996_s_at                           | 0.019292 | SMART/HDAC1 associated            | AL524033  | Hs.184245 | NP_055816 |
|                                       | ļ        | repressor protein                 |           |           |           |
| 201998_at                             | 0.034721 | sialyltransferase 1 (beta-        | AI743792  | Hs.374528 | NP_775324 |
| ,                                     |          | galactoside alpha-2,6-            |           |           |           |
|                                       |          | sialytransferase)                 | · ·       |           |           |
| 202000_at                             | 0.034721 | gb:BC002772.1 /DEF=Homo           | BC002772  | •         | NP_002481 |
|                                       |          | sapiens, NADH dehydrogenase       |           |           |           |
|                                       |          | (ubiquinone) 1 alpha              |           |           |           |
| :                                     |          | subcomplex, 6 (14kD, B14),        |           |           |           |
| *                                     | 1 1 1 1  | clone MGC:3686, mRNA,             | ;         |           |           |
|                                       |          | complete cds. /FEA=mRNA           | 7.        | 1.0       |           |
|                                       |          | /PROD=NADH dehydrogenase          | ,         |           |           |
|                                       |          | (ubiquinone) 1 alphasubcomplex,   |           |           |           |
|                                       |          | 6 (14kD, B14)                     |           |           | 13        |
|                                       |          | /DB_XREF=gi:12803858              |           |           |           |
|                                       |          | /UG=Hs.274416 NADH                |           | l .       |           |
|                                       |          | dehydrogenase (ubiquinone) 1      |           |           |           |
|                                       | 00       | alpha subcomplex, 6 (14kD,        |           | *         |           |
|                                       |          | B14) /FL=gb:BC002772.1            |           |           |           |
|                                       |          | gb:AF047182.1 gb:NM_002490.1      |           | ·         |           |
| 202028 s at                           | 0.046749 | Consensus includes                | BC000603  |           | NP 000990 |
| · · · · · · · · · · · · · · · · · · · |          | gb:BC000603.1 /DEF=Homo           | *         |           |           |
|                                       |          | sapiens, ribosomal protein L38,   | 4         |           | * '       |
| *                                     |          | clone MGC:1637, mRNA,             | : ,       |           | *         |
| * .                                   |          | complete cds. /FEA=mRNA           |           |           |           |
|                                       |          | /PROD=ribosomal protein L38       |           |           |           |
|                                       |          | /DB XREF=gi:12653644              | ,         | . *       | ,         |
|                                       | to       | /UG=Hs.2017 ribosomal protein     |           |           |           |
|                                       | ,        | L38 /FL=gb:BC000603.1             | *         |           |           |
| "                                     |          | gb:NM 000999.1                    |           |           |           |
| 202073 at                             | 0.018023 | optineurin                        | AV757675  | Hs.278898 | NP 068815 |

|             |           | ng to Figure 19 - Coronary Artery I  |               |  |           |
|-------------|-----------|--------------------------------------|---------------|--|-----------|
| Gene        | p-value   | Description                          | G ne          | Unigene  | Protein   |
| ldentifier  |           |                                      | Accession     | Accession                                      | Accession |
|             |           |                                      | No.           | No.  | No.       |
| 202074 s at | 0.040064  | gb:NM_021980.1 /DEF=Homo             | NM_021980     | PE - 19 1 - 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | NP_068815 |
|             |           | sapiens tumor necrosis factor        | _             |  | _         |
|             |           | alpha-inducible cellular protein     | 0             |  | - 00      |
|             |           | containing leucine zipper            |               |  |           |
|             |           | domains; Huntingtin interacting      |               |  |           |
|             |           | protein L; transcrption factor IIIA- | - "           |  |           |
| ( **        |           | interacting protein (FIP2), mRNA.    |               |  |           |
|             | <b>.</b>  | /FEA=mRNA /GEN=FIP2                  |               |  | ·         |
|             |           | /PROD=tumor necrosis factor          |               |  |           |
| •           |           | alpha-inducible cellularprotein      | •             |  |           |
|             | -         | containing leucine zipper            |               | v.   |           |
|             |           | domains: Huntingtininteracting       | HC            | ·  | ·•.       |
|             |           |                                      | 0             | ÷ .  |           |
|             |           | protein L; transcrption factorIIIA-  |               |  | **        |
|             | * .       | interacting protein                  |               | · · .  | ·         |
| ± - €.      |           | /DB_XREF=gi:11415041                 |               |  |           |
| *           |           | /UG=Hs.278898 tumor necrosis         |               | 1 .  |           |
|             |           | factor alpha-inducible cellular      | •             |  |           |
|             | : •       | protein containing leucine zipper    |               |  | ٠         |
|             |           | domains; Huntingtin interacting      |               | . · .  |           |
|             | · ·       | protein L; transcrption factor IIIA- |               |  | _         |
|             |           | interacting protein                  | . *           |  |           |
| **          |           | /FL=gb:NM_021980.1                   |               | +  |           |
|             |           |                                      |               |  |           |
| 202118_s_at | 0.034721  | copine III                           | AA541758      | Hs.14158                                       | NP_003900 |
| 202136_at   | 0.025284  | adenovirus 5 E1A binding protein     | BE250417      | Hs.301449                                      | NP_006615 |
| 202138_x_at | 0.018023  | gb:NM_006303.2 /DEF=Homo             | NM 006303     |  | NP 006294 |
|             |           | sapiens JTV1 gene (JTV1),            |               | ŀ  |           |
|             |           | mRNA. /FEA=mRNA /GEN=JTV1            | 1 1           | · ·  | *         |
|             |           | /PROD=JTV1                           |               |  |           |
|             | ' '       | /DB_XREF=gi:11125769                 |               |  |           |
|             | :         | /UG=Hs.301613 JTV1 gene              |               | -  |           |
| •           |           | /FL=gb:NM_006303.2                   | ,             | ,  | 00        |
|             |           | gb:U24169.1 gb:BC002853.1            |               |  |           |
| 202147_s_at | 0.046749  | gb:NM_001550.1 /DEF=Homo             | NM_001550     | 15.05  | NP_001541 |
| 202141_5_uç | 0.0407.40 | sapiens interferon-related           | 11111_00 1000 |  | _001041   |
| . •         | 1         | developmental regulator 1            |               |  |           |
|             |           | 1                                    |               |  | · · ·     |
| • *         |           | (IFRD1), mRNA. /FEA=mRNA             |               | N. A.  |           |
|             |           | /GEN=IFRD1 /PROD=interferon-         |               | . '  |           |
|             |           | related developmental regulator      | •, :          |  |           |
| ÷           |           | 1 /DB_XREF=gi:4504606                |               |  |           |
|             |           | /UG=Hs 7879 interferon-related       |               | '  | Ì         |
| 4           |           | developmental regulator 1            |               | *  |           |
|             |           | /FL=gb:BC001272.1                    |               |  |           |
|             |           | gb:NM_001550.1                       |               | 1  |           |

|                    |          | ng to Figure 19 - Coronary Artery     |                   | ļ                    |                      |
|--------------------|----------|---------------------------------------|-------------------|----------------------|----------------------|
| Gene<br>Identifi r | p-value  | Description                           | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
| identili i         |          | · · · · · · · · · · · · · · · · · · · | No.               | No.                  | No.                  |
| 202151_s_at        | 0.027239 | gb:NM_016172.1 /DEF=Homo              | NM_016172         |                      | NP_057256            |
|                    |          | sapiens putative glialblastoma        |                   |                      |                      |
|                    |          | cell differentiation-related          |                   |                      | ·                    |
|                    |          | (GDBR1), mRNA. /FEA=mRNA              |                   |                      |                      |
|                    |          | /GEN=GDBR1 /PROD=putative             |                   |                      |                      |
|                    | 2        | glialblastoma celldifferentiation-    | *                 |                      |                      |
|                    |          | related protein                       |                   |                      |                      |
|                    |          | /DB_XREF=gi:7705380                   | 8                 |                      |                      |
| **                 |          | /UG=Hs.9194 putative                  |                   | * -3                 |                      |
|                    |          | glialblastoma cell differentiation-   |                   |                      |                      |
| ,                  |          | related /FL=gb:BC004967.1             | · .               |                      |                      |
|                    | 7.       | gb:AF176796.1 gb:NM_016172.1          |                   |                      |                      |
| 202156_s_at        | 0.046749 | CUG triplet repeat, RNA binding       | N36839            | Hs.211610            | NP_006552            |
| 7 7                |          | protein 2                             | , , , , ,         |                      | _                    |
| 202161_at          | 0.018222 | gb:NM_002741.1 /DEF=Homo              | NM_002741         |                      | NP_002732            |
|                    |          | sapiens protein kinase C-like 1       |                   |                      | I                    |
|                    |          | (PRKCL1), mRNA. /FEA=mRNA             | *                 |                      | ."                   |
|                    |          | /GEN=PRKCL1 /PROD=protein             |                   |                      |                      |
|                    |          | kinase C-like 1                       |                   |                      | 1                    |
|                    |          | /DB_XREF=gi:4506072                   |                   |                      |                      |
| . ,                |          | /UG=Hs.2499 protein kinase C-         |                   |                      |                      |
|                    |          | like 1 /FL=gb:U33053.1                | á.                |                      |                      |
|                    |          | gb:NM_002741.1 gb:D26181.1            |                   |                      |                      |
| 202166_s_at        | 0.025284 | gb:NM_006241.1 /DEF=Homo              | NM_006241         |                      | NP_006232            |
|                    | :        | sapiens protein phosphatase 1,        |                   |                      |                      |
|                    |          | regulatory (inhibitor) subunit 2      |                   | ,                    |                      |
|                    |          | (PPP1R2), mRNA. /FEA=mRNA             |                   |                      | ļ                    |
|                    | *        | /GEN=PPP1R2 /PROD=protein             | - (3)             |                      |                      |
|                    |          | phosphatase 1, regulatory             |                   |                      |                      |
|                    |          | (inhibitor)subunit 2                  |                   | 1                    | `                    |
|                    |          | /DB_XREF=gi:5453945                   | . '               |                      |                      |
|                    | *        | /UG=Hs.267819 protein                 |                   | 6.                   |                      |
|                    |          | phosphatase 1, regulatory             |                   |                      |                      |
|                    |          | (inhibitor) subunit 2                 |                   |                      |                      |
|                    |          | /FL=gb:NM_006241.1                    |                   |                      | 12                   |
| 202171_at          | 0.025284 | Consensus includes                    | NM 007146         |                      | NP_009077            |
| <del>-</del>       |          | gb:AU146275 /FEA=EST                  |                   |                      | , ,                  |
|                    |          | /DB_XREF=gi:11007796                  |                   |                      |                      |
| 100                |          | /DB_XREF=est:AU146275                 |                   | * .                  |                      |
|                    |          | /CLONE=HEMBB1000004                   |                   | * *                  | -                    |
| · ·                |          | /UG=Hs.6557 zinc finger protein       |                   |                      |                      |
| · · ·              | ,        | 161 /FL=gb:D28118.1                   |                   |                      |                      |
|                    |          | gb:NM 007146.1                        |                   | *                    |                      |

|             |          | ng to Figure 19 - Coronary Artery |           |           |           |
|-------------|----------|-----------------------------------|-----------|-----------|-----------|
| Gene        | p-value  | Description                       | Gen       | Unigene   | Protein   |
| ldentifier  |          |                                   | Accession | Accession | Accession |
| 1+1         |          |                                   | No.       | No.       | No        |
| 202207_at   | 0.046749 | Consensus includes                | NM_005737 |           | NP_005728 |
|             |          | gb:BG435404 /FEA=EST              | _         | ļ         |           |
|             |          | /DB_XREF=gi:13341910              |           |           | 4         |
|             |          | /DB_XREF=est:602507678F1          | 1         | <u>.</u>  |           |
|             |          | /CLONE=IMAGE:4605066              | . '       |           | 9         |
|             |          | /UG=Hs.111554 ADP-ribosylation    |           |           |           |
|             | =        |                                   |           |           |           |
|             | Į        | factor-like 7 /FL=gb:BC001051.1   |           | Ļ         |           |
| 19          |          | gb:AB016811.1 gb:NM_005737.2      | 111       |           | -         |
|             |          |                                   |           |           |           |
|             | 0        |                                   |           |           |           |
| 202208_s_at | 0.018222 | gb:BC001051.1 /DEF=Homo           | BC001051  |           | NP_005728 |
|             |          | sapiens, ADP-ribosylation factor- |           |           |           |
|             |          | like 7, clone MGC:1575, mRNA,     |           | NO.       | *         |
|             | 0        | complete cds. /FEA=mRNA           |           |           | (8)       |
|             |          | /PROD=ADP-ribosylation factor-    |           | · ·       |           |
|             | •        | like 7 /DB_XREF=gi:12654450       |           | . 0       |           |
|             |          | /UG=Hs.111554 ADP-ribosylation    | . **      |           |           |
| •           |          |                                   | ÷         |           | 1         |
|             | Į.       | factor-like 7 /FL=gb:BC001051.1   |           | Į:        | Į         |
|             |          | gb:AB016811.1 gb:NM_005737.2      | 3         |           |           |
| 1 · 1       | -        | •                                 |           |           |           |
|             | 2        | +                                 |           |           |           |
|             |          |                                   |           | <u> </u>  | Sac. 10   |
| 202216_x_at | 0.036254 | gb:BC005003.1 /DEF=Homo           | BC005003  | ,         | NP_055038 |
| -           |          | sapiens, nuclear transcription    |           | 1         | _         |
|             |          | factor Y, gamma, clone            |           |           | į.        |
|             |          | MGC:792, mRNA, complete cds.      |           |           |           |
|             |          | /FEA=mRNA /PROD=nuclear           |           |           |           |
|             | *        | transcription factor Y, gamma     |           | =         | 9         |
|             |          | /DB_XREF=gi:13436472              |           |           | *         |
|             |          |                                   |           |           |           |
| 7 , 1       |          | /UG=Hs.168157 nuclear             |           | ,         |           |
|             | -        | transcription factor Y, gamma     |           | 0 1/0     |           |
|             |          | /FL=gb:NM_014223.2                | ·         |           |           |
|             |          | gb:D85425.1 gb:BC005003.1         |           |           |           |
| •           |          | gb:D89986.1                       |           |           |           |
|             |          |                                   |           |           |           |
| 202220 at   | 0.034721 | gb:NM 014949.1 /DEF=Homo          | NM 014949 |           | NP_055764 |
| _           | 1.       | sapiens KIAA0907 protein          | _         |           | _         |
|             |          | (KIAA0907), mRNA. /FEA=mRNA       | 1 -       |           |           |
| ı           |          | /GEN=KIAA0907                     |           |           |           |
| •           |          | /PROD=KIAA0907 protein            |           |           |           |
|             | 1:       |                                   |           |           |           |
|             | 1        | /DB_XREF=gi:7662371               |           | × ×       |           |
|             | 1        | /UG=Hs.24656 KIAA0907 protein     |           |           |           |
|             |          | /FL=gb:AB020714.1                 |           |           | *         |
|             |          | gb:NM_014949.1                    |           |           | 1.0       |

| Gene List Co | rrespondir | ng to Figur 19 - Coronary Artery | Disease   | -         |           |
|--------------|------------|----------------------------------|-----------|-----------|-----------|
| Gene         |            | Description                      | Gene      | Unigene   | Protein   |
| Identifier   |            | -                                | Accession | Accession | Accession |
|              | 9          |                                  | No.       | No.       | No.       |
| 202230_s_at  | 0.046749   | gb:NM_006387.2 /DEF=Homo         | NM_006387 |           | NP_006378 |
|              |            | sapiens protein with             |           |           |           |
|              |            | polyglutamine repeat; calcium    |           | ,         | ,         |
|              |            | (ca2+) homeostasis endoplasmic   |           | • •       |           |
|              |            | reticulum protein (ERPROT213-    |           | l         | 9         |
|              |            | 21), mRNA. /FEA=mRNA             |           |           | (3)       |
| r            |            | /GEN=ERPROT213-21                |           |           |           |
|              |            |                                  |           |           |           |
|              | */         | /PROD=protein with               | *         | ,         |           |
|              |            | polyglutamine repeat;            |           |           |           |
|              |            | calcium(ca2+) homeostasis        | 7 · · ·   |           | 7         |
|              |            | endoplasmic reticulum protein    | '         |           |           |
|              |            | /DB_XREF=gi:11055968             |           |           |           |
|              |            | /UG=Hs.6430 protein with         |           | ·         |           |
|              | ļ          | polyglutamine repeat; calcium    |           |           |           |
| ,            | * .        | (ca2+) homeostasis endoplasmic   |           | •         |           |
|              |            | reticulum protein                |           |           |           |
|              | · ·        | /FL=gb:U94836.2                  | 9         | 7         |           |
|              |            | gb:NM_006387.2                   |           |           |           |
|              | •          |                                  | A         |           |           |
| 202265_at    | 0.025284   | gb:NM 005180.1 /DEF=Homo         | NM 005180 |           | NP_005171 |
|              |            | sapiens murine leukemia viral    |           |           | _         |
|              |            | (bmi-1) oncogene homolog         |           | • .       |           |
|              | *          | (BMI1), mRNA. /FEA=mRNA          |           |           |           |
|              | -          | /GEN=BMI1 /PROD=murine           | -22       | ļ.·       | +         |
|              |            | leukemia viral (bmi-1) oncogene  | ł         |           | *         |
| •            |            | homolog /DB_XREF=gi:4885094      |           |           | €         |
|              | *          | /UG=Hs.431 murine leukemia       |           | ,         |           |
|              |            | viral (bmi-1) oncogene homolog   |           |           |           |
|              |            |                                  |           |           |           |
|              |            | /FL=gb:L13689.1                  |           |           |           |
| 202204+      | 0.005004   | gb:NM_005180.1                   | DE000070  | 11. 04040 | ND 075000 |
| 202301_s_at  | 0.025284   | hypothetical protein FLJ11021    | BE396879  | Hs.81648  | NP_075388 |
| *            |            | similar to splicing factor,      |           | 1.        |           |
| 000000       |            | arginine/serine-rich 4           |           |           |           |
| 202369_s_at  | 0.027792   | gb:NM_012288.1 /DEF=Homo         | NM_012288 |           | NP_036420 |
|              |            | sapiens TRAM-like protein        |           |           |           |
|              | .00        | (KIAA0057), mRNA. /FEA=mRNA      | · ·       | s         |           |
|              |            | /GEN=KIAA0057 /PROD=TRAM-        |           |           |           |
|              |            | like protein                     |           | 1         |           |
|              |            | /DB_XREF=gi:6912449              |           |           |           |
|              |            | /UG=Hs.153954 TRAM-like          |           | [         |           |
|              |            | protein /FL=gb:D31762.1          | 1         |           |           |
|              |            | gb:NM 012288.1                   | * ,       | 1         |           |

|                |          | ng to Figure 19 - Coronary Artery I |             | 11-1        | Destain       |
|----------------|----------|-------------------------------------|-------------|-------------|---------------|
| Gen            | p-value  | Description                         | Gene        | Unigene     | Protein       |
| Identifier     |          | . 3                                 | Accession   | Accession   | Accession     |
| •              | · .      |                                     | No.         | No.         | No.           |
| 202378_s_at    | 0.049425 | gb:NM_017526.1 /DEF=Homo            | NM_017526   |             | NP_059996     |
|                |          | sapiens leptin receptor gene-       |             | ē.          | *             |
|                | · .      | related protein (HSOBRGRP),         |             | <b>.</b>    |               |
|                |          | mRNA. /FEA=mRNA                     |             |             |               |
|                | * =      | /GEN=HSOBRGRP /PROD=leptin          |             | 1           |               |
|                |          | receptor gene-related protein       | · .         |             | -             |
|                |          | /DB XREF=gi:8923784                 |             |             |               |
|                |          | /UG=Hs.23581 leptin receptor        |             |             | ( ) ·         |
|                |          | gene-related protein                |             |             |               |
| . (            |          | , ·                                 | 8           | , , , ,     |               |
|                |          | /FL=gb:NM_017526.1 \                | 4           |             |               |
| 000000         | 0.040740 | LANA COSOSS 4 (DEE-11               | NIM COECEE  |             | ND COECAC     |
| 202393_s_at    | 0.046749 | gb:NM_005655.1 /DEF=Homo            | NM_005655   |             | NP_005646     |
| Section 1      |          | sapiens TGFB inducible early        |             | - 3.0       | -2            |
|                | .`       | growth response (TIEG), mRNA.       | 0           |             | - C           |
|                | - 1      | /FEA=mRNA /GEN=TIEG                 |             |             |               |
| *:             |          | /PROD=TGFB inducible early          |             |             | 1 -           |
|                | * 1      | growth response                     | . * **      | · 0         | 9             |
|                |          | /DB_XREF=gi:5032176                 | ļ ,         | min a       |               |
| . : 5          |          | /UG=Hs.82173 TGFB inducible         |             |             |               |
|                |          | early growth response               |             |             |               |
|                |          | /FL=gb:U21847.1                     | ν.,         |             | ,             |
|                | * * * *  | gb:NM_005655.1                      |             |             | 1             |
| 202426 s at    | 0.018023 | Consensus includes                  | NM_002957   |             | NP_002948     |
| <del>-</del> - |          | gb:BE675800 /FEA=EST                | _           |             | <del>7.</del> |
| *              | 1.2      | /DB_XREF=gi:10036341                |             |             |               |
|                |          | /DB XREF=est:7f16c05.x1             |             | 4.          |               |
|                | ,        | /CLONE=IMAGE:3294824                |             |             |               |
|                |          | /UG=Hs.20084 retinoid X             |             |             |               |
|                |          | receptor, alpha                     |             |             |               |
|                | l " .    | /FL=gb:NM_002957.2                  | 00.00       |             | )             |
| 202428 × 64    | 0.024721 |                                     | BF346014    | Hs.172458   | ·             |
| 202438_x_at    | 0.034721 | iduronate 2-sulfatase (Hunter       | DF340014    | INS. 172450 |               |
| 000400         | 0.004704 | syndrome)                           | NM 000202   |             | ND 006444     |
| 202439_s_at    | 0.034721 | gb:NM_000202.2 /DEF=Homo            | NIVI_000202 | 11          | NP_006114     |
| . 1            |          | sapiens iduronate 2-sulfatase       |             |             |               |
| ,              |          | (Hunter syndrome) (IDS),            |             | İ           |               |
|                |          | transcript variant 1, mRNA.         |             | •           | · ·           |
| <b>/</b>       | ļ. ·     | /FEA=mRNA /GEN=IDS                  |             |             |               |
|                | 1.       | /PROD=iduronate-2-sulfatase         | , ,         |             |               |
| ,              | '        | isoform a precursor                 |             |             | ,             |
| · , , ,        |          | /DB_XREF=gi:5360215                 | *           |             |               |
|                |          | /UG=Hs.172458 iduronate 2-          |             |             |               |
|                |          | sulfatase (Hunter syndrome)         | -0.0        | 1           |               |
|                |          | /FL=gb:M58342.1                     |             | ·           | 1             |
|                |          |                                     | 1           |             | 1             |

| Gene         |          | ng to Figure 19 - Coronary Artery I<br>Description | Gene         | Unigene     | Protein   |
|--------------|----------|--|--------------|-------------|-----------|
|              | p-value  | Description  |              | _           |           |
| dentifier    |          |  | Accession    | Accession   | Accession |
|              | 0.010=10 |  | No.          | No.         | No.       |
| 202461_at    | 0.046749 | gb:NM_014239.1 /DEF=Homo                           | NM_014239    |             | NP_05505  |
| •            |          | sapiens eukaryotic translation                     | ;            | 1           | ł         |
| •            |          | initiation factor 2B, subunit 2                    |              | -           |           |
|              |          | (beta, 39kD) (EIF2B2), mRNA.                       |              |             |           |
|              | · y      | /FEA=mRNA /GEN=EIF2B2                              |              |             |           |
|              |          | /PROD=eukaryotic translation                       |              |             | Y.        |
|              |          | initiation factor 2B subunit 2                     | /            |             | ,         |
| •            |          | (beta, 39kD)                                       |              |             |           |
|              |          | /DB_XREF=gi:7657057                                | *            |             | • .       |
|              | *        | /UG=Hs.170001 eukaryotic                           |              | ē           |           |
| **           |          | translation initiation factor 2B,                  |              |             | 0.0       |
| 9 ,          | -        | subunit 2 (beta, 39kD)                             |              |             |           |
|              |          | /FL=gb:BC000494.1                                  |              | *           |           |
| i            | 0.3      |  |              | · Q         | j.        |
|              |          | gb:BC003165.1 gb:AF035280.1                        |              |             |           |
| 000.00       | 0.004=04 | gb:NM_014239.1                                     |              | - ,         |           |
| 202466_at    | 0:034721 | gb:NM_006999.2 /DEF=Homo                           | NM_006999    |             | NP_00893  |
|              |          | sapiens topoisomerase-related                      |              |             |           |
|              |          | function protein 4-1 (TRF4),                       | •            |             |           |
|              |          | mRNA. /FEA=mRNA                                    | Í ·          |             | =4        |
|              | e \      | /GEN=TRF4  | 8            | ·.          |           |
|              |          | /PROD=topoisomerase-related                        |              |             | ' =.      |
| •            | , i      | function protein 4-1                               |              |             |           |
|              |          | /DB_XREF=gi:6631114                                |              | ~ .         |           |
|              |          | /UG=Hs 225951 topoisomerase-                       |              |             |           |
|              | .        | related function protein 4-1                       |              |             |           |
|              |          | /FL=gb:AB005754.3                                  |              |             |           |
|              |          | gb:NM_006999.2                                     |              |             |           |
| 202491 s at  | 0.018023 | gb:NM_003640.1 /DEF=Homo                           | NM 003640    | <del></del> | NP 00363  |
| 20243 1_3_at | 0.010023 | sapiens inhibitor of kappa light                   | 14141_003040 |             | 141-00303 |
| . (0.)       |          | polypeptide gene enhancer in B-                    | ]            |             | j         |
| ·.           |          |  | *            |             |           |
|              |          | cells, kinase complex-associated                   |              |             | <i>y</i>  |
| •            | . :      | protein (IKBKAP), mRNA.                            |              |             |           |
| •            |          | /FEA=mRNA /GEN=IKBKAP                              |              |             |           |
| . 1          |          | /PROD=inhibitor of kappa light                     |              | *           |           |
|              |          | polypeptide geneenhancer in B-                     |              |             |           |
|              |          | cells, kinase complex-associated                   | 0.8          |             | *         |
|              | •        | protein /DB_XREF=gi:4504628                        | ,            |             | 0         |
|              |          | /UG=Hs.31323 inhibitor of kappa                    |              |             |           |
| -)(-2        |          | light polypeptide gene enhancer                    |              |             |           |
|              |          | in B-cells, kinase complex-                        |              | -           |           |
|              | . '      | associated protein                                 |              |             |           |
|              |          | /FL=gb:AF153419.2                                  |              |             |           |
|              |          | gb:AF044195.1 gb:NM_003640.1                       |              |             | -         |
|              |          | 135 O 1 1 1 2 2 1 1 3 2 1 1 1 1 1 2 2 2 2 1 1 1 1  | 1            |             | •         |

| Gene List Cor | r spondin | ig to Figure 19 - Coronary Artery I | Diseas        | 7.600     |               |
|---------------|-----------|-------------------------------------|---------------|-----------|---------------|
| Gene          | p-value   | Description                         | Gene          | Unigen    | Protein       |
| Identifier    |           |                                     | Accession     | Accession | Accession     |
|               |           |                                     | No.           | No.       | No.           |
| 202515 at     | 0.046749  | Consensus includes                  | NM 004087     | NO.       | NP_004078     |
| 202010_at     |           | gb:BG251175 /FEA=EST                | 11111_00 1001 | ,         | 111 _00-1010  |
|               |           |                                     | •             | *         |               |
|               |           | /DB_XREF=gi:12760991                | ٠.,           |           |               |
| **            |           | /DB_XREF=est:602364982F1            |               |           | -8-           |
|               | -         | /CLONE=IMAGE:4473165                | •             |           |               |
| _             |           | /UG=Hs.154294 discs, large          |               |           |               |
|               |           | (Drosophila) homolog 1              |               |           |               |
|               |           | /FL=gb:NM_004087.1                  |               |           | G.            |
|               |           | gb:U13896.1                         |               |           |               |
| 202524 s at   | 0.018023  | gb:NM 014767.1 /DEF=Homo            | NM_014767     | 7.        | NP 055582     |
| 7 7           | ·         | sapiens KIAA0275 gene product       | _             | ·         | _             |
| 0.0           | *         | (KIAA0275), mRNA. /FEA=mRNA         | 9 -           | *         | 8.            |
| a 0           |           | /GEN=KIAA0275                       | ·             |           | · (7)         |
| -             | •         | /PROD=KIAA0275 gene product         |               |           |               |
| *             |           | /DB XREF=qi:7662035                 |               |           |               |
| 9             |           |                                     |               |           |               |
|               | *         | /UG=Hs.74583 KIAA0275 gene          | ;             |           |               |
|               |           | product /FL=gb:D87465.1             | *.            |           |               |
|               |           | gb:NM_014767.1                      |               |           |               |
| 202526_at     | 0.034721  | Consensus includes gb:U44378.1      | U44378        | •         | NP_005350     |
| -             |           | /DEF=Human homozygous               |               |           | * -           |
| ) -           | -         | deletion target in pancreatic       |               |           | :             |
| • .           | 1.00      | carcinoma (DPC4) mRNA,              | •             |           | ,             |
| , ,           | **        | complete cds. /FEA=mRNA             |               | <u> </u>  |               |
| 7             | 1         | /GEN=DPC4 /PROD=Dpc4                |               |           |               |
| ,             |           | /DB_XREF=gi:1163233                 | . *           |           |               |
| •             |           | /UG=Hs.75862 MAD (mothers           |               |           |               |
| -             | . •       |                                     |               |           |               |
|               |           | against decapentaplegic,            |               | ľw.       |               |
|               | · ·       | Drosophila) homolog 4               |               |           |               |
|               | •         | /FL=gb:U44378.1 gb:BC002379.1       |               | 1.5°      |               |
|               |           | gb:NM_005359.1                      | -             |           | -             |
|               |           |                                     |               |           |               |
|               |           |                                     |               |           |               |
| 202548 s at   | 0.025284  | gb:NM_003899.1 /DEF=Homo            | NM_003899     |           | NP_663788     |
| · -           |           | sapiens PAK-interacting             |               |           | -             |
| *             | 121       | exchange factor beta (P85SPR),      |               | · ·       |               |
| -             |           | mRNA. /FEA=mRNA                     |               | • • •     |               |
| -9            |           | /GEN=P85SPR /PROD=PAK-              |               |           | 1.            |
|               |           | 1                                   | •             |           | *             |
|               | •         | interacting exchange factor beta    |               | * '       | 1             |
|               | ,         | /DB_XREF=gi:4505572                 |               |           |               |
|               |           | /UG=Hs.172813 PAK-interacting       | - 20          |           |               |
| 0.            | 0.        | exchange factor beta                |               |           |               |
| ٠,            |           | /FL=gb:D63476.1                     |               |           |               |
|               |           | gb:NM_003899.1                      |               |           |               |
|               |           | <del>-</del>                        |               |           |               |
|               | 0.042466  | glutathione S-transferase M3        | AL527430      | Hs.2006   | NP_000840     |
| 202554 s at   | 0.042400  | Igidiali lione o-li ansici asci mo. | 1/102/700     | 1113.2000 | 1141 _ 000040 |
| 202554_s_at   | 0.042400  | (brain)                             | 1,12021400    | 113.2000  |               |

|                     |            | ng to Figure 19 - Coronary Artery I |               | Unigono   | Drotain   |
|---------------------|------------|-------------------------------------|---------------|-----------|-----------|
| Gene                | p-value    | Description                         | Gene          | Unigene   | Protein   |
| ldentifier          |            |                                     | Accession     | Accession | Accession |
|                     |            | <u> </u>                            | No.           | No.       | No.       |
| 202561_at           | 0.018023   | Consensus includes                  | AF070613      |           | NP_003738 |
|                     |            | gb:AF070613.1 /DEF=Homo             | -             |           |           |
|                     |            | sapiens clone 24585 mRNA            | Ţ             |           | :         |
| •                   |            | sequence. /FEA=mRNA                 | ,             |           |           |
|                     |            | /DB_XREF=gi:3387995                 | ٠.            | Ì         | ~         |
|                     | :          | /UG=Hs.131814 tankyrase, TRF1-      | ,             |           |           |
|                     | Y.         | interacting ankyrin-related ADP-    |               |           |           |
|                     |            | ribose polymerase                   |               |           |           |
|                     | ÷          | /FL=gb:AF082556.1                   |               | 100       |           |
|                     |            | gb:NM_003747.1                      | *             |           | *         |
| 202621_at           | 0.046749   | gb:NM_001571.1 /DEF=Homo            | NM_001571     |           | NP_001562 |
| , a - · <b></b> ··· |            | sapiens interferon regulatory       |               | · · ·     |           |
|                     | 4.         | factor 3 (IRF3), mRNA.              | •             |           | į         |
|                     | . **       | /FEA=mRNA /GEN=IRF3                 | <b>.</b>      | 1.74      |           |
|                     |            | /PROD=interferon regulatory         | ,             |           |           |
|                     |            | factor 3 /DB_XREF=gi:4504724        | 8             |           |           |
|                     |            | /UG=Hs.75254 interferon             |               | - 8-      |           |
|                     |            |                                     |               |           |           |
|                     |            | regulatory factor 3                 |               | · 10      |           |
| 200040              | 0.004704   | /FL=gb:NM_001571.1                  | NINA 1000 400 |           | ND 00040  |
| 202642_s_at         | 0.034721   | gb:NM_003496.1 /DEF=Homo            | NM_003496     |           | NP_003487 |
|                     | Ĺ          | sapiens                             |               |           |           |
|                     |            | transformationtranscription         |               | 0         | ·         |
|                     |            | domain-associated protein           |               |           |           |
| . *                 |            | (TRRAP), mRNA. /FEA=mRNA            |               |           | Ì         |
|                     |            | /GEN=TRRAP                          |               |           | Į.        |
|                     |            | /PROD=transformationtranscription   |               |           |           |
|                     |            | domain-associatedprotein            |               |           |           |
|                     |            | /DB_XREF=gi:4507690                 | 2             | *         | *         |
|                     |            | /UG=Hs 203952                       |               |           | 1         |
|                     | l          | transformationtranscription         | 10            |           |           |
|                     | -          | domain-associated protein           |               | ·         |           |
| •                   | }          | /FL=gb:AF076974.1                   | •             |           | 1         |
|                     |            | gb:NM 003496.1                      |               |           |           |
| 02687_s_at          | 0.046749   | gb:U57059.1 /DEF=Homo               | U57059        | 1         | NP_00380  |
|                     |            | sapiens Apo-2 ligand mRNA,          |               | 0         |           |
| • .                 | r<br>Nes   | complete cds. /FEA=mRNA             |               |           |           |
|                     |            | /PROD=Apo-2 ligand                  |               | 1         | 1         |
|                     |            | /DB_XREF=gi:1336207                 |               | I         | j         |
|                     | Ì          | /UG=Hs.83429 tumor necrosis         |               |           | 1         |
|                     | ļ.         |                                     | *             | 2-11      | 1         |
|                     | <b>l</b> . | factor (ligand) superfamily,        |               |           |           |
| ·                   | · ·        | member 10 /FL=gb:U37518.1           |               | 1         |           |
|                     | l ·        | gb:U57059.1 gb:NM_003810.1          |               | L         | O         |

| Gene        | p-value  | ng to Figure 19 - Coronary Artery l<br>Description | Gene       | Unig n       | Protein    |
|-------------|----------|--|------------|--------------|------------|
|             | p-value  | Description  | -          | Accession    |            |
| ldentifier  | _        |  | Accession  |              | Accession  |
|             |          |  | No.        | No.          | No.        |
| 202747_s_at | 0.018693 | gb:NM_004867.1 /DEF=Homo                           | NM_004867  |              | NP_004858  |
|             |          | sapiens integral membrane                          |            |              |            |
| 5           | -        | protein 2A (ITM2A), mRNA.                          |            | 0            |            |
| •           | 1        | /FEA=mRNA /GEN=ITM2A                               |            |              |            |
|             |          | /PROD=integral membrane                            |            |              |            |
|             |          | protein 2A   |            |              |            |
|             |          | /DB_XREF=gi:4758223                                |            |              |            |
|             |          | /UG=Hs.17109 integral                              | 1 .        | ł            |            |
|             |          | membrane protein 2A                                |            |              |            |
|             |          | /FL=gb:AF038953.1                                  |            | 1 .          | ·          |
| *           | l        | gb:NM_004867.1                                     | '          |              |            |
| 202750 c of | 0.036943 | A kinase (PRKA) anchor protein 2                   | BE879367   | Hs.42322     | NP_671492  |
| 202759_s_at | 0.020042 | A kinase (PKKA) anchor protein 2                   | DE019301   | 1115.42322   | NF_0/ 1492 |
| 000774 -1   | 0.000040 | shiNNA 044745 4 (DEE-Usess)                        | NIM 044745 | <del>-</del> | ND OFFECT  |
| 202771_at   | 0.026013 | gb:NM_014745.1 /DEF=Homo                           | NM_014745  |              | NP_055560  |
|             |          | sapiens KIAA0233 gene product                      |            |              |            |
|             |          | (KIAA0233), mRNA. /FEA=mRNA                        |            |              |            |
| + .         |          | /GEN=KIAA0233                                      | - '        |              |            |
|             |          | /PROD=KIAA0233 gene product                        |            | a e          |            |
|             | '        | /DB_XREF=gi:7662013                                |            | · .          | ;          |
|             |          | /UG=Hs.79077 KIAA0233 gene                         | 1,         |              | -          |
|             |          | product /FL=gb:D87071.1                            |            |              |            |
|             |          | gb:NM_014745.1                                     |            |              |            |
| 202775 s at | 0.034721 | gb:NM 004592.1 /DEF=Homo                           | NM_004592  |              | NP 68942   |
|             |          | sapiens splicing factor,                           |            | . •          |            |
|             |          | arginineserine-rich 8 (suppressor-                 |            |              | •          |
|             |          | of-white-apricot, Drosophila                       | · ·        |              |            |
|             |          | homolog) (SFRS8), mRNA.                            |            |              | ,          |
|             | 0        | /FEA=mRNA /GEN=SFRS8                               |            | 1            |            |
|             |          | /PROD=splicing factor,                             |            |              |            |
|             | ]        | arginineserine-rich 8(suppressor-                  |            |              | J          |
|             |          |  |            |              |            |
| •           | 1        | of-white-apricot, Drosophila                       |            |              |            |
|             | ,        | homolog) /DB_XREF=gi:4759101                       |            |              | ·          |
|             |          | /UG=Hs.84229 splicing factor,                      |            |              |            |
|             |          | arginineserine-rich 8 (suppressor-                 |            | ľ            | ]          |
|             | 0        | of-white-apricot, Drosophila                       |            | 1            | 1          |
| :           |          | homolog) /FL=gb:NM_004592.1                        | - 0        | •            |            |
|             | 1        | gb:U08377.1  | <b>○</b>   |              | ·          |
|             |          |  |            |              | **         |
| 4           | I .      |  |            |              |            |

|              |           | ng to Figure 19 - Coronary Artery                   | Disease      |             |            |
|--------------|-----------|---|--------------|-------------|------------|
| Gene         | p-value   | D scription   | Gen          | Unigene     | Protein    |
| Identifier   |           |   | Acc ssion    | Accession   | Accession  |
|              |           |   | No.          | No.         | No.        |
| 202780_at    | 0.035763  | gb:NM_000436.1 /DEF=Homo                            | NM_000436    |             | NP 000427  |
|              |           | sapiens 3-oxoacid CoA                               |              |             |            |
|              |           | transferase (OXCT), nuclear                         |              |             |            |
|              |           | gene encoding mitochondrial                         |              |             |            |
|              |           | protein, mRNA. /FEA=mRNA                            |              |             |            |
|              |           | /GEN=OXCT /PROD=3-oxoacid                           |              |             |            |
| 9            |           | CoA transferase precursor                           | 10           |             | ·          |
|              |           | /DB_XREF=gi:4557816                                 | . 8          |             |            |
|              |           | /UG=Hs.177584 3-oxoacid CoA                         |              |             |            |
|              | 8 1       | transferase /FL=gb:U62961.1                         |              | 1.          |            |
| 7            | , .       | gb:NM_000436.1                                      |              |             | ,          |
| 202786_at    | 0.046749  | gb:NM_013233.1 /DEF=Homo                            | NM_013233    | · ··.       | NP_037365  |
| -32.33_4     | 3.5.07.70 | sapiens Ste-20 related kinase                       | 10 10200     | ]           | _007000    |
|              | ,         | (SPAK), mRNA. /FEA=mRNA                             | *            | -3(0        | ļ          |
| ;            |           | /GEN=SPAK /PROD=Ste-20                              |              |             | 9 - 1      |
|              |           | related kinase                                      |              |             |            |
|              |           | /DB_XREF=gi:7019542                                 |              |             |            |
| 1            | ٠.        | /UG=Hs.199263 Ste-20 related                        |              |             |            |
|              |           | kinase /FL=gb:AF017635.1                            |              |             | :          |
|              |           | gb:AF099989.1 gb:AF030403.1                         |              |             | 0.         |
|              |           | gb:NM_013233.1                                      | - 4          |             |            |
| 202787_s_at√ | 0.034721  | gb:U43784.1 /DEF=Human                              | U43784       |             | NP 004626  |
| 202101_5_al  | 0.004721  | mitogen activated protein kinase                    | 043704       |             | NF_004626  |
|              |           | activated protein kinase-3                          |              |             |            |
| *            |           | mRNA, complete cds.                                 | -8-          |             |            |
|              |           | /FEA=mRNA /PRQD=mitogen                             |              | *           |            |
|              |           | activated protein kinase                            |              | ,           |            |
| ē .          |           | activated protein kinase activated protein kinase-3 |              |             |            |
|              |           | /DB_XREF=gi:1256004                                 |              | -           |            |
|              | ,         | /UG=Hs.227789 mitogen-                              | ,            |             |            |
|              |           | activated protein kinase-activated                  | **           |             | ,          |
| ÷            |           | protein kinase 3                                    | <b> </b>     |             | · ·        |
| -            |           | /FL=gb:U09578.1 gb:U43784.1                         | · .          |             |            |
|              |           | gb:BC001662.1 gb:NM 004635.1                        |              |             |            |
|              |           | gb.bcoo1002.1                                       |              |             |            |
| 202822 at    | 0.025284  | LIM domain containing preferred                     | AL044018     | Hs.180398   | NP 005569  |
| 202022_at .  | 0.020204  | translocation partner in lipoma                     | AL044010     | 1113.100330 | NF_003369  |
| 202900_s_at  | 0.028803  | gb:NM_002532.2 /DEF=Homo                            | NM_002532    | -           | NP_002523  |
| 202000_3_at  | 0.020093  | sapiens nucleoporin 88kD                            | 14141_002332 |             | TVF_002525 |
|              |           | (NUP88), mRNA /FEA=mRNA                             |              |             |            |
|              |           | /GEN=NUP88  |              |             |            |
|              |           | /PROD=nucleoporin 88kD                              |              | ÷           | 4          |
| ` · *        |           | •   |              |             | 4          |
|              |           | /DB_XREF=gi:5729954                                 | <b>]</b> .   |             | *          |
|              | ,         | /UG=Hs.172108 nucleoporin                           | ÷            |             |            |
| ,            |           | 88kD /FL=gb:BC000335.1                              |              |             |            |
|              |           | gb:NM_002532.2                                      | L            | L           |            |

| Gene List Co | rr spondir | ng to Figur 19 - Coronary Artery [   | Disease      |            | 1         |
|--------------|------------|--|--------------|------------|-----------|
| Gn           | p-value    | D scription  | Gene         | Unigene    | Protein   |
| ld ntifi r   |            |  | Acc ssion    | Acc.ssion  | Accession |
| ,            | ·          | **   | No.          | No.        | No.       |
| 202902 s at  | 0.025284   | gb:NM_004079.1 /DEF=Homo   | NM 004079    | ,          | NP 004070 |
|              |            | sapiens cathepsin S (CTSS),  |              | =          |           |
|              |            | mRNA. /FEA=mRNA  |              |            |           |
| •            |            | /GEN=CTSS /PROD=cathepsin S  | •            | or.        |           |
|              |            | /DB_XREF=gi:4758097  |              | 1          |           |
|              | No         | /UG=Hs.181301 cathepsin S  | <u>.</u> a   |            |           |
|              |            | /FL=gb:BC002642.1 gb:M86553.1  |              |            |           |
|              |            | gb:NM 004079.1 gb:M90696.1   |              |            | -5        |
| . *          |            | gb.NNI_004079.1  |              | v.*        |           |
| 202917 s at  | 0.034721   | gb:NM 002964.2 /DEF=Homo   | NM 002964    |            | NP_002955 |
| 202917_S_at  | 0.034721   | · .  | 14141_002904 |            | NF_002955 |
|              | × ×        | sapiens S100 calcium-binding   | •            |            |           |
| · ·          |            | protein A8 (calgranulin A)   |              |            |           |
|              |            | (S100A8), mRNA /FEA=mRNA   | •            |            |           |
| 3.           |            | /GEN=S100A8 /PROD=S100   |              | *          | ,         |
|              |            | calcium-binding protein A8   |              |            |           |
|              |            | /DB_XREF=gi:9845519  | • ** . • . * |            |           |
|              | :          | /UG=Hs.100000 S100 calcium-  |              |            |           |
|              | - ×        | binding protein A8 (calgranulin  |              | 1.0        |           |
|              |            | A) /FL=gb:NM_002964.2  |              |            |           |
| 202943_s_at  | 0.046749   | gb:M38083.1 /DEF=Human alpha-  | M38083       |            | NP_000253 |
| 110          |            | N-acetylgalactosaminidase  |              |            |           |
|              |            | mRNA, complete cds.  | •            |            |           |
|              |            | /FEA=mRNA /PROD=alpha-N-   |              |            |           |
| ,            |            | acetylgalactosaminidase  |              | •          |           |
| ·            | •          | /DB_XREF=gi:189054   |              |            |           |
|              |            | /UG=Hs.75372 N-  |              |            |           |
|              |            | acetylgalactosaminidase, alpha-  |              |            |           |
|              |            | /FL=gb:BC000095.1 gb:M62783.1  |              |            | 010       |
|              | •          | gb:M38083.1 gb:NM_000262.1   |              |            |           |
|              | *.         |  |              |            |           |
| 202962_at    | 0.036254   | gb:NM_015254.1 /DEF=Homo   | NM 015254    |            | NP_056069 |
|              |            | sapiens kinesin family member  |              |            |           |
| -6 "         |            | 13B (KIF13B), mRNA.  | 3            |            | 1         |
|              |            | /FEA=mRNA /GEN=KIF13B  |              |            |           |
|              |            | /PROD=kinesin family member  |              | * **       | 4         |
|              |            | 13B /DB_XREF=gi:13194196   | l .          | 9          |           |
|              |            | /UG=Hs.15711 kinesin family  |              | * .        |           |
| 1.           |            | In a second of the second of t |              |            |           |
|              | 1          | member 13B /FL=gb:AL583912.1   |              | ,          |           |
| -            |            | gb:NM_015254.1 gb:AF279865.1   |              |            |           |
| 202075 - :   | 0.040055   | Dha aslata d DTD de se sie   | NOAACO       | 110 10 100 |           |
| 202975_s_at  | 0.01965/   | Rho-related BTB domain   | N21138       | Hs.10432   |           |
| L            |            | containing 3   |              |            |           |

|             |          | ng to Figur 19 - Coronary Artery I      |               |           |             |
|-------------|----------|---|---------------|-----------|-------------|
| Gene        | p-value  | D scription                             | Gene          | Unigene   | Protein     |
| ld ntifier  |          |   | Accession     | Accession | Accession   |
|             | ,        | •                                       | No.           | No        | No.         |
| 203007 x at | 0.018023 | gb:AF077198.1 /DEF=Homo                 | AF077198      | 110       | NP_006321   |
|             |          | sapiens lysophospholipase               | /             |           |             |
|             |          | mRNA, complete cds.                     |               | . 91      |             |
|             |          | • |               |           |             |
|             |          | /FEA=mRNA                               | 100           |           |             |
|             |          | /PROD=lysophospholipase                 |               | , '       |             |
|             | ,        | /DB_XREF=gi:4679009                     | 1             | [ ·       | -           |
|             |          | /UG=Hs.12540 lysophospholipase          |               | . ,       |             |
|             |          | I /FL=gb:AF081281.1                     |               |           |             |
|             | å.       | gb:AF077198.1 gb:NM_006330.1            |               | ,         | ] ·         |
|             |          | gb:AF291053.1                           |               | *         |             |
|             | •        |   | · ·           |           |             |
| 203026_at   | 0.018023 | gb:NM_014872.1 /DEF=Homo                | NM 014872     | <u> </u>  | NP_055687   |
| at          | 3.010020 | sapiens KIAA0354 gene product           | 114101_014072 |           | 141033007   |
|             | * *      |   |               | i         |             |
| 0           |          | (KIAA0354), mRNA. /FEA=mRNA             | *             |           | ,           |
|             |          | /GEN=KIAA0354                           |               |           |             |
|             |          | /PROD=KIAA0354 gene product             |               |           | :           |
|             |          | /DB_XREF=gi:7662073                     |               |           |             |
|             |          | /UG=Hs.3682 KIAA0354 gene               |               |           |             |
|             |          | product /FL=gb:AB002352.1               |               | ``        |             |
|             |          | gb:NM_014872.1                          |               | ļ         |             |
| 203062_s_at | 0.018023 | gb:NM_014641.1 /DEF=Homo                | NM_014641     |           | NP 055456   |
| 200002_3_at | 0.010025 | sapiens KIAA0170 gene product           | 14141-014041  |           | 141-000400  |
|             |          |   |               |           | * .         |
| * .         |          | (KIAA0170), mRNA. /FEA=mRNA             | ÷             |           | 0           |
| 1.          |          | /GEN=KIAA0170                           | •             |           |             |
|             |          | /PROD=KIAA0170 gene product             |               |           |             |
|             | *        | /DB_XREF=gi:7661965                     |               |           | -           |
|             | 12       | /UG=Hs.277585 KIAA0170 gene             |               | 1.5       | •           |
|             |          | product /FL=gb:D79992.1                 |               | ľ         | `.          |
|             | - 1      | gb:NM_014641.1                          |               |           |             |
| 203082_at   | 0.018023 |   | NM 014753     |           | NP_055568   |
|             | 0.0.0020 | sapiens KIAA0187 gene product           | 11111_014700  |           | 141 _000000 |
|             |          | (KIAA0187), mRNA. /FEA=mRNA             | -             | -         |             |
|             |          | ( ,                                     |               |           |             |
|             |          | /GEN=KIAA0187                           |               | . *       |             |
|             |          | /PROD=KIAA0187 gene product             |               |           |             |
|             |          | /DB_XREF=gi:7661979                     |               |           | ļ           |
|             |          | /UG=Hs.10848 KIAA0187 gene              |               |           |             |
| ,           |          | product /FL=gb:D80009.1                 |               | ·         |             |
|             |          | gb:NM_014753.1                          |               |           |             |
| 203159 at   | 0.034721 | gb:NM_014905.1 /DEF=Homo                | NM 014905     | ,         | NP 055720   |
|             |          | sapiens glutaminase (GLS),              | 0 , 10 00     |           | 000720      |
| 9           |          | mRNA. /FEA=mRNA /GEN=GLS                | '             |           | -           |
|             |          |   | ,             | *         |             |
|             |          | /PROD=glutaminase C                     | 7             |           |             |
|             |          | /DB_XREF=gi:7662327                     |               | -2-       | 1           |
|             |          | /UG=Hs.239189 glutaminase               |               |           | l.          |
|             |          | /FL=gb:AF327434.1                       | · · .         |           | ľ           |
|             |          | gb:AB020645.1 gb:AF097493.1             | , .           | J         |             |
|             | •        | gb:AF223943.1 gb:NM_014905.1            |               |           |             |
| 203164 at   | 0.025284 | acetyl-Coenzyme A transporter           | BE464756      | Hs.285176 | NP_004724   |
|             |          | SERS protein kinase 2                   | AW149364      | Hs.78353  | NP_003129   |

| _            |          | ng to Figure 19 - Coronary Artery I |           | 11-1        | Ducks     |
|--------------|----------|-------------------------------------|-----------|-------------|-----------|
| Gene         | p-value  | D scription                         | Gene /    | Unigene     | Protein   |
| ldentifier   |          | •                                   | Accession | Accession   | Accession |
|              |          |                                     | No.       | No.         | No.       |
| 203184_at    | 0.034721 | gb:NM_001999.2 /DEF=Homo            | NM_001999 | :           | NP_001990 |
| - I          |          | sapiens fibrillin 2 (congenital     |           |             | Ī         |
|              |          | contractural arachnodactyly)        |           | . *         | 1         |
|              | *        | (FBN2), mRNA. /FEA=mRNA             |           |             |           |
|              | e        | /GEN=FBN2 /PROD=fibrillin 2         | *         |             |           |
|              |          | /DB_XREF=gi:4755135                 |           |             | 12        |
|              |          |                                     |           |             |           |
|              | •        | /UG=Hs.79432_fibrillin_2            |           |             |           |
| * .          |          | (congenital contractural            | ,         |             |           |
|              |          | arachnodactyly) /FL=gb:U03272.1     |           |             |           |
| : .          |          | gb:NM_001999.2                      |           |             |           |
|              |          |                                     | •         |             |           |
| 203189_s_at  | 0.046651 | gb:NM_002496.1 /DEF=Homo            | NM_002496 |             | NP_002487 |
| <del></del>  |          | sapiens NADH dehydrogenase          |           |             |           |
|              |          | (ubiquinone) Fe-S protein 8         | ' '       | Т.          | * .       |
|              | -        | (23kD) (NADH-coenzyme Q             |           | •           | · .       |
| •            |          | reductase) (NDUFS8), mRNA.          |           |             | 1         |
|              |          | /FEA=mRNA /GEN=NDUFS8               |           |             |           |
| •            | ,        | /PROD=NADH_dehydrogenase            |           |             |           |
|              |          |                                     |           | 2           |           |
|              |          | (ubiquinone) Fe-S protein           |           | 0           |           |
|              |          | 8(23kD) (NADH-coenzyme Q            |           |             |           |
|              |          | reductase)                          | 1.        |             |           |
|              | ,        | /DB_XREF=gi:4505370                 |           | . 0         |           |
|              |          | /UG=Hs.90443 NADH                   | ,         |             |           |
|              | ,        | dehydrogenase (ubiquinone) Fe-      | (         |             |           |
|              |          | S protein 8 (23kD) (NADH-           | 3         | · ·         |           |
| •            |          | coenzyme Q reductase)               |           |             |           |
|              | •        | /FL=gb:U65579.1                     | * (       |             |           |
| *            |          | gb:NM_002496.1                      | **        |             |           |
| 203217 s at  | 0.025284 | gb:NM_003896.1 /DEF=Homo            | NM 003896 |             | NP 00388  |
| 2002 17_3_at | 0.020204 | sapiens sialyltransferase 9 (CMP-   |           | •           | -00000    |
|              |          | NeuAc:lactosylceramide alpha-2,3    |           |             |           |
| •            |          |                                     |           |             | *         |
|              |          | sialyltransferase; GM3 synthase)    |           |             | 0         |
|              |          | (SIAT9), mRNA. /FEA=mRNA            |           |             |           |
| •            |          | /GEN=SIAT9                          | ı         |             |           |
|              |          | /PROD=sialyltransferase 9 (CMP-     |           |             |           |
|              |          | NeuAc:lactosylceramidealpha-2,3-    |           |             |           |
|              | ·.       | sialyltransferase; GM3 synthase)    |           | <b>i</b> ., | •         |
|              |          | /DB_XREF=gi:4506954                 |           |             |           |
|              |          | /UG=Hs.225939 sialyltransferase     |           | *           |           |
|              |          | 9 (CMP-NeuAc:lactosylceramide       |           | 0           | e ** ve   |
|              |          | alpha-2,3-sialyltransferase; GM3    |           | · ·         |           |
| •            |          | synthase) /FL=gb:AB018356.1         | l .       |             |           |
|              |          | gb:NM_003896.1 gb:AF119415.1        |           |             | · ·       |
| ,            |          | gb./401_000000.1 gb.//(110410.1     |           |             |           |
| •            |          |                                     |           |             |           |
|              |          |                                     |           |             |           |

| Gene        | p-value    | Description                          | Gene        | Unigene                               | Protein   |
|-------------|------------|--------------------------------------|-------------|---------------------------------------|-----------|
| ldentifier  |            |                                      | Accession   | Accession                             | Accession |
|             |            |                                      | No.         | No.                                   | No.       |
| 203262 s at | 0.025284   | gb:NM 004699.1 /DEF=Homo             | NM 004699   |                                       | NP 004690 |
|             |            | sapiens DNA segment on               | ·           |                                       | ,         |
|             |            | chromosome X (unique) 9928           |             |                                       |           |
|             |            | expressed sequence                   |             |                                       | *         |
|             |            | (DXS9928E), mRNA.                    |             |                                       |           |
| •           |            | /FEA=mRNA /GEN=DXS9928E              | ÷           |                                       |           |
|             |            | /PROD=XAP-5 protein                  |             |                                       | ٠.        |
|             |            | /DB_XREF=gi:4758219                  |             |                                       |           |
|             |            | /UG=Hs.54277 DNA segment on          | •           |                                       |           |
| 2           |            | chromosome X (unique) 9928           |             |                                       | , .       |
|             |            | expressed sequence                   | ·           | *                                     |           |
|             | •          | /FL=gb:BC000028.1 gb:D83260.1        |             | 7                                     | ē         |
|             |            | gb:AD001530.1 gb:NM_004699.1         |             | •                                     | •         |
| * .         | * .        | gb./(boo 1000: 1 gb./(iii)_004050: 1 |             |                                       |           |
| 203281 s at | 0.035763   | gb:NM 003335.1 /DEF=Homo             | NM 003335   | · · · · · · · · · · · · · · · · · · · | NP 00332  |
|             | 0.000,00   | sapiens ubiquitin-activating         | 1.11.       |                                       | _ 0000E   |
|             |            | enzyme E1-like (UBE1L), mRNA.        | *:          |                                       | . "       |
| •           |            | /FEA=mRNA /GEN=UBE1L                 |             | *.                                    |           |
| 9 .         |            | /PROD=ubiquitin-activating           |             |                                       |           |
| er er er    |            | enzyme E1-like                       | : ·         | (2)                                   |           |
|             |            | /DB_XREF=gi:4507766                  |             | 1                                     |           |
|             |            | /UG=Hs.16695 ubiquitin-activating    |             |                                       |           |
|             |            | enzyme E1-like                       |             |                                       |           |
|             |            | /FL=gb:NM_003335.1                   |             |                                       |           |
|             |            | gb:L13852.1                          |             | -                                     |           |
| 203314_at   | 0.034721   | gb:NM_012227.1 /DEF=Homo             | NM 012227   |                                       | NP 036359 |
| 2000 14_at  | 0.004721   | sapiens Pseudoautosomal GTP-         | NIVI_012221 |                                       | NF_03033  |
|             |            | binding protein-like (PGPL),         |             |                                       |           |
|             |            | mRNA. /FEA=mRNA                      | -((-        |                                       |           |
|             |            | //GEN=PGPL                           |             |                                       |           |
| Y-          |            |                                      |             |                                       |           |
|             |            | /PROD=Pseudoautosomal GTP-           |             |                                       |           |
|             |            | binding protein-likeprotein          |             |                                       |           |
| *           |            | /DB_XREF=gi:6912587                  | ,           |                                       |           |
|             |            | /UG=Hs.101033                        |             |                                       |           |
|             | <b>'</b> . | Pseudoautosomal GTP-binding          |             |                                       |           |
|             |            | protein-like /FL=gb:NM_012227.1      |             |                                       |           |
|             |            |                                      |             |                                       | 1         |

| Gene List C  |            | ng to Figure 19 - Coronary Artery I | Disease     |           |           |
|--------------|------------|-------------------------------------|-------------|-----------|-----------|
| Gene         | p-valu     | D scription                         | Gene        | Unigene   | Protein   |
| Identifier   |            | <i>*</i>                            | Accession   | Accession | Accession |
|              |            |                                     | No.         | No.       | No.       |
| 203338_at    | 0.034721   | gb:NM 006246.1 /DEF=Homo            | NM 006246   |           | NP_006237 |
| <del>.</del> |            | sapiens protein phosphatase 2,      | - · · · · · |           | _ ·       |
|              |            | regulatory subunit B (B56),         |             |           | *.        |
|              | :          | epsilon isoform (PPP2R5E),          |             | * .       |           |
|              |            | mRNA. /FEA=mRNA                     |             |           |           |
|              |            | /GEN=PPP2R5E /PROD=protein          |             | i i       |           |
| <b>'</b> ,   |            | phosphatase 2, regulatory           | ;<br>;      |           |           |
|              | 1          | subunit B(B56), epsilon isoform     |             |           |           |
| •            |            | /DB_XREF=gi:5453955                 | 9,0         |           |           |
| •            |            | /UG=Hs.173328 protein               | -           |           |           |
|              |            | phosphatase 2, regulatory           |             |           |           |
|              | ]          | subunit B (B56), epsilon isoform    |             |           |           |
| •            |            |                                     | ,           | i .*      |           |
|              | -0.0       | /FL=gb:L76703.1                     |             |           | 9         |
|              | l          | gb:NM_006246.1                      |             | * 🗸 .     | ,         |
|              |            |                                     |             |           |           |
| 203375_s_at  | 0.046749   | gb:NM_003291.1 /DEF=Homo            | NM_003291   |           | NP_003282 |
|              |            | sapiens tripeptidyl peptidase II    |             |           |           |
|              |            | (TPP2), mRNA. /FEA=mRNA             | •           |           | :         |
| -            | 1          | /GEN=TPP2 /PROD=tripeptidyl         | ĺ . ·       | 9         |           |
| 5            |            | peptidase II                        |             |           | - 8-      |
|              | į          | /DB_XREF=gi:4507656                 | 7           |           |           |
|              |            | /UG=Hs.1117 tripeptidyl             | ,           |           |           |
| •            | , <u>r</u> | peptidase II /FL=gb:M73047.1        |             | *         |           |
|              |            | gb:NM_003291.1                      |             |           |           |
| 203377_s_at  | 0.018222   | gb:NM_015891.1 /DEF=Homo            | NM_015891   |           | NP_056975 |
|              |            | sapiens pre-mRNA splicing           |             | ' '       |           |
|              |            | factor (PRP17), mRNA.               |             |           |           |
|              |            | /FEA=mRNA /GEN=PRP17                |             |           |           |
|              |            | /PROD=pre-mRNA splicing factor      |             | 90        |           |
|              |            | /DB_XREF=gi:7706656                 |             |           |           |
|              |            | /UG=Hs.116674 pre-mRNA              |             |           |           |
|              |            | splicing factor 17                  |             |           |           |
|              |            | /FL=gb:AF038392.1                   |             |           |           |
|              |            | gb:AF061241.1 gb:NM_015891.1        |             |           | 1         |
| 203434_s_at  | 0.046740   | membrane metallo-endopeptidase      | Δ1433463    | Hs.1298   | NP 009220 |
| 200404_5_at  | 0.040749   | (neutral endopeptidase,             | 171400400   | 113.1230  | _003220   |
|              |            | enkephalinase, CALLA, CD10)         |             | ,         |           |
|              |            | Tenkephaimase, CALLA, CDTU)         |             |           | ( -       |
|              | 1          |                                     |             |           | i         |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery I    | Disease           |                      | - 0 -                |
|--------------------|------------|--|-------------------|----------------------|----------------------|
| Gene<br>ld_ntifier | p-value    | D scription                            | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
|                    |            | ************************************** | No.               | No.                  | No.                  |
| 203504_s_at        | 0.046749   | gb:NM_005502.1 /DEF=Homo               | NM_005502         |                      | NP_005493            |
|                    |            | sapiens ATP-binding cassette,          |                   |                      |                      |
|                    |            | sub-family A (ABC1), member 1          | -                 | 1                    |                      |
|                    |            | (ABCA1), mRNA. /FEA=mRNA               |                   |                      | 0                    |
| 1:                 |            | /GEN=ABCA1 /PROD=ATP-                  |                   |                      | 1                    |
| - *                |            | binding cassette, sub-family A         |                   |                      |                      |
|                    |            | member 1                               |                   |                      |                      |
|                    |            | /DB_XREF=gi:5915657                    | 1                 | 1                    | ·                    |
|                    |            | /UG=Hs.211562 ATP-binding              |                   | (7)                  |                      |
|                    |            | cassette, sub-family A (ABC1),         |                   |                      |                      |
|                    |            | member 1 /FL=gb:AF165281.1             |                   | ·                    |                      |
|                    |            | gb:NM_005502.1 gb:AF285167.1           |                   | *                    |                      |
| 203515_s_at        | 0.049425   | gb:NM_006556.1 /DEF=Homo               | NM_006556         |                      | NP_006547            |
|                    |            | sapiens phosphomevalonate              |                   | . * .                | _                    |
|                    |            | kinase (PMVK), mRNA.                   |                   | 10                   |                      |
|                    |            | /FEA=mRNA /GEN=PMVK                    | ,                 |                      |                      |
|                    | 0          | /PROD=phosphomevalonate                |                   | . ,                  |                      |
|                    |            | kinase /DB_XREF=gi:5729979             | :                 |                      | · (C.*               |
| ·                  | 8          | /UG=Hs.30954                           |                   |                      | :)(>                 |
|                    |            | phosphomevalonate kinase               |                   |                      |                      |
|                    | * '        | /FL=gb:L77213.1                        |                   | •)(•                 |                      |
|                    | .,         | gb:NM_006556.1                         |                   |                      |                      |
| 203531 at          | 0.046749   |  | BF435809          | Hs.101299            | <u> </u>             |
| 203600_s_at        |            | gb:NM 003704.1 /DEF=Homo               | NM 003704         |                      | NP 003695            |
|                    |            | sapiens gene with multiple             |                   |                      |                      |
|                    |            | splice variants near HD locus          |                   |                      |                      |
| 1                  | *          | on 4p16.3 (RES4-22), mRNA.             | 170               | \                    |                      |
|                    |            | /FEA=mRNA /GEN=RES4-22                 |                   |                      |                      |
|                    |            | /PROD=gene with multiple splice        |                   |                      |                      |
|                    |            | variants near HD locuson               | <u> </u> '        | 1                    | 1                    |
| - α                |            | 4p16.3 /DB_XREF=gi:4506480             |                   | *                    |                      |
|                    |            | /UG=Hs.325987 gene with                |                   | •                    | ,                    |
|                    |            | multiple splice variants near HD       |                   |                      | * !                  |
|                    | ,          |  |                   |                      |                      |
|                    |            | locus on 4p16.3                        | F                 |                      |                      |
| 1                  |            | /FL=gb:AB000459.1                      | ł:                | ł                    | ł                    |
|                    |            | gb:NM_003704.1                         |                   |                      | *                    |
| 202660             | 0.045040   | ab.NM 006024 4 /DEE-14                 | NIM 000001        |                      | ND 000000            |
| 203660_s_at        | 0.045316   | gb:NM_006031.1 /DEF=Homo               | NM_006031         |                      | NP_006022            |
| 1                  |            | sapiens pericentrin (PCNT),            |                   | 1                    |                      |
|                    |            | mRNA. /FEA=mRNA                        |                   |                      |                      |
|                    |            | /GEN=PCNT /PROD=pericentrin            | 1                 |                      |                      |
|                    |            | /DB_XREF=gi:5174478                    |                   |                      |                      |
| 1                  | 8          | /UG=Hs.15896 pericentrin               |                   |                      | -00                  |
| 2                  |            | /FL=gb:U52962.1                        |                   |                      |                      |
|                    | <u> </u>   | gb:NM_006031.1                         | <u> </u>          |                      |                      |

| Gene                     | p-value         | ng to Figure 19 - Coronary Artery I<br>Description | Gen           | Unigene     | Protein     |
|--------------------------|-----------------|--|---------------|-------------|-------------|
| Identifier               | , · · · · · · · |  | Accession     | Accession   | Accession   |
| Ideittillei              |                 | , ,  | No.           | No.         | No.         |
| 203711 s at              | 0.035763        | gb:NM_014362.1 /DEF=Homo                           | NM 014362     | INO.        | NP 055177   |
| 2007 11_3_41             | 0.000700        | sapiens 3-hydroxyisobutyryl-                       | 11111_011002  |             |             |
|                          | Ξ.              | Coenzyme A hydrolase (HIBCH),                      |               | \ <u>'</u>  | e .         |
|                          |                 | mRNA. /FEA=mRNA                                    | • •           | · ·         | -           |
|                          | ] .             | /GEN=HIBCH /PROD=3-                                | :             |             |             |
|                          | · ,             | hydroxyisobutyryl-Coenzyme A                       |               | * a         |             |
| ·                        |                 | hydrolase /DB_XREF=gi:7657159                      |               |             |             |
|                          |                 | /UG=Hs.236642 3-                                   |               | 4           |             |
|                          |                 | hydroxyisobutyryl-Coenzyme A                       | · ·           |             |             |
|                          |                 | hydrolase /FL=gb:BC005190.1                        |               |             |             |
|                          |                 | gb:U66669.1 gb:NM_014362.1                         |               | 1 3         |             |
|                          | *               | gb.000009.1  |               |             |             |
| 203738 at                | 0.046749        | hypothetical protein FLJ11193                      | Al421192      | Hs.151046   | NP 060826   |
| 203736_at<br>203742 s at |                 | thymine-DNA glycosylase                            | BF674842      | Hs.173824   | 141_000020  |
| 203742 s at              |                 | sema domain, immunoglobulin                        | Al962897      | Hs.171921   | NP_006370   |
| 203700_s_at              | 0.010023        | domain (Ig), short basic domain,                   | A1302031      | 113.17 1921 | -000370     |
| •                        | **              | secreted, (semaphorin) 3C                          |               |             |             |
| 203793_x_at              | 0.042466        | gb:NM_007144.1 /DEF=Homo                           | NM_007144     |             | NP_009075   |
| 203793_X_at              | 0.042400        | sapiens zinc finger protein 144                    | 14141_007 144 |             | 146 _009075 |
|                          |                 | (Mel-18) (ZNF144), mRNA.                           |               |             |             |
| :                        |                 | /FEA=mRNA /GEN=ZNF144                              | **            |             |             |
| (3)                      |                 | /PROD=zinc finger protein 144                      |               |             |             |
| 0(0                      |                 | (Mel-18) /DB_XREF=gi:6005963                       | , v-          | - 30        |             |
|                          |                 | //UG=Hs.184669 zinc finger                         |               |             |             |
|                          |                 |  |               | •           |             |
| -81                      |                 | protein 144 (Mel-18)                               |               | 15          | ,           |
|                          |                 | /FL=gb:BC004858.1 gb:D13969.1                      | 1 '           |             |             |
| 202047 04                | 0.004704        | gb:NM_007144.1                                     | W93728        | Hs.77890    | NP_000848   |
| 203817_at                | 0.034721        | guanylate cyclase 1, soluble, beta                 | VV93726       | IDS.77690   | NP_000646   |
| 202020+                  | 0.00000         | ph.NM 004224 1 /DEE=Uama                           | NM 004224     |             | NP 004212   |
| 203828_s_at              | 0.02008         | gb:NM_004221.1 /DEF=Homo                           | NM_004221     |             | INF_004212  |
|                          |                 | sapiens natural killer cell                        |               |             |             |
|                          |                 | transcript 4 (NK4), mRNA.                          | , ,           |             | 1           |
|                          |                 | /FEA=mRNA /GEN=NK4                                 | . '           |             | .25         |
|                          |                 | /PROD=natural killer cell                          |               | /           |             |
|                          |                 | transcript 4                                       |               |             |             |
|                          | <u> </u>        | /DB_XREF=gi:4758811                                | 1:            |             |             |
| * ′                      | . ,             | /UG=Hs.943 natural killer cell                     |               |             |             |
|                          |                 | transcript 4 /FL=gb:M59807.1                       |               |             |             |
|                          | 1               | gb:NM_004221.1                                     |               | F + //      | l           |

| Gene         | p-valu   | ng to Figure 19 - Coronary Artery I |              | Hairana         | Distain     |
|--------------|----------|-------------------------------------|--------------|-----------------|-------------|
|              | p-valu   | Description                         | Gene         | Unigene         | Protein     |
| Identifier   |          | _ **                                | Accession    | Accession       | Accession   |
| 000000       | 0.010710 | 1 114 00000 4 /DEE 1                | No.          | No.             | No.         |
| 203832_at    | 0.046749 | gb:NM_003095.1 /DEF=Homo            | NM_003095    |                 | NP_003086   |
| <del>-</del> |          | sapiens small nuclear               |              |                 | 1           |
|              |          | ribonucleoprotein polypeptide F     |              |                 |             |
|              |          | (SNRPF), mRNA /FEA=mRNA             |              |                 | i .         |
|              |          | /GEN=SNRPF /PROD=small              |              |                 |             |
| . •          | 1        | nuclear ribonucleoprotein           | {            | •(0             |             |
| 1000         |          | polypeptide F                       |              |                 | *           |
|              | 1        | /DB_XREF=gi:4507130                 |              | ì               |             |
|              |          | /UG=Hs.105465 small nuclear         |              |                 |             |
|              |          | ribonucleoprotein polypeptide F     | ļ            | 1               |             |
|              |          | /FL=gb:BC002505.1                   |              |                 |             |
|              | ĺ        | gb:NM_003095.1                      | · ·          | -8-             |             |
| 203843 at    | 0.046749 | ribosomal protein S6 kinase,        | AA906056     | Hs.173965       | NP_004577   |
| 2000-10_41   | 0.010140 | 90kDa, polypeptide 3                | / 0 (300000  | 113.17 0300     |             |
| 203864_s_at  | 0.036254 | gb:NM_001103.1 /DEF=Homo            | NM 001103    |                 | NP 001094   |
| 200004_3_at  | 0.030234 | sapiens actinin, alpha 2            | 14141_001103 |                 | 146-00 1094 |
| * .          | ·        | (ACTN2), mRNA. /FEA=mRNA            |              |                 |             |
| 8            |          |                                     | •            |                 | · ·         |
|              |          | /GEN=ACTN2 /PROD=actinin,           | r)           |                 |             |
|              | -        | alpha 2 /DB_XREF=gi:4501892         |              |                 |             |
|              |          | /UG=Hs.83672 actinin, alpha 2       |              |                 |             |
|              |          | /FL=gb:M86406.1                     |              | -               |             |
| :            |          | gb:NM_001103.1                      |              |                 | <u> </u>    |
| 203888_at    | 0.019292 | 19 7                                | NM_000361    |                 | NP_000352   |
|              |          | sapiens thrombomodulin (THBD),      |              |                 |             |
|              |          | mRNA. /FEA=mRNA                     | ,            |                 |             |
|              |          | /GEN=THBD                           |              | )               |             |
|              |          | /PROD=thrombomodulin                | * .          | 4               | =           |
|              |          | /DB_XREF=gi:4507482                 |              | 1               |             |
|              | •        | /UG=Hs.2030 thrombomodulin          |              | 0               |             |
|              | 1        | /FL=gb:M16552.1                     | •            | 1               |             |
|              |          | gb:NM_000361.1                      | ,            |                 | e           |
| 203893_at    | 0.046749 | gb:NM_016283.1 /DEF=Homo            | NM_016283    | 1 <del>7 </del> | NP_057367   |
|              |          | sapiens adrenal gland protein       | 1111_019200  |                 |             |
|              | ,        | AD-004 (LOC51578), mRNA.            |              |                 | ,           |
| ·            |          | /FEA=mRNA /GEN=LOC51578             |              |                 | , i         |
|              |          | /PROD=adrenal gland protein AD      |              | }               |             |
|              | 4        | 004 /DB_XREF=gi:7706211             |              |                 | (=)         |
| . :          |          | /UG=Hs.279586 adrenal gland         |              |                 |             |
| •            |          | protein AD-004                      |              |                 |             |
|              |          | ·                                   |              |                 | l           |
|              |          | /FL=gb:AF151895.1                   |              |                 | *           |
| 202022       | 0.004704 | gb:AF110777.1 gb:NM_016283.1        | 41000000     | 11- 000=        | ND cocce    |
| 203922_s_at  | 0.034721 | cytochrome b-245, beta              | AI308863     | Hs.88974        | NP_000388   |
|              |          | polypeptide (chronic                | 1            | 1               |             |
|              |          | granulomatous disease)              |              | <u> </u>        |             |
| 203975_s_at  | 0.042057 | chromatin assembly factor 1,        | BF000239     | Hs.79018        | NP_005474   |
|              | <u></u>  | subunit A (p150)                    |              |                 | L           |
| 203981_s_at  | 0.028893 | ATP-binding cassette, sub-family D  | AL574660     | Hs.94395        | NP_064731   |
|              | 1        | (ALD), member 4                     |              |                 |             |

|                     |          | ng to Figure 19 - Coronary Artery I   |               |           |             |
|---------------------|----------|---------------------------------------|---------------|-----------|-------------|
| G ne                | p-value  | Description                           | Gene          | Unigene   | Protein     |
| Identifier          |          |                                       | Accession     | Accession | Accession   |
|                     |          |                                       | No.           | No        | No.         |
| 204020_at           | 0.025284 | purine-rich element binding protein   | BF739943      | Hs.29117  | NP_005850   |
|                     | "        | A                                     |               |           |             |
| 204021_s_at         | 0.041795 | gb:NM 005859.1 /DEF=Homo              | NM_005859     |           | NP 005850   |
|                     |          | sapiens purine-rich element           |               | 1         |             |
| •                   |          | binding protein A (PURA),             |               | ,         |             |
|                     |          | mRNA. /FEA=mRNA                       |               | ł         |             |
| · ·                 | *.       | /GEN=PURA /PROD=purine-rich           | .:            | *         |             |
|                     |          | element binding protein A             |               | .: 1      | , .         |
|                     |          | /DB XREF=gi:5032006                   |               |           | , ,         |
| * 1                 |          | /UG=Hs.29117 purine-rich              |               |           |             |
|                     |          | element binding protein A             |               |           |             |
|                     |          | /FL=gb:M96684.1                       |               | 2         | ĺ           |
|                     |          | gb:NM 005859.1                        |               |           |             |
| 204023_at           | 0.018023 | gb:NM 002916.1 /DEF=Homo              | NM 002916     | M1        | NP 002907   |
|                     |          | sapiens replication factor C          |               |           |             |
| * /                 |          | (activator 1) 4 (37kD) (RFC4),        |               |           |             |
|                     |          | mRNA. /FEA=mRNA                       |               |           |             |
|                     | , .      | /GEN=RFC4 /PROD=replication           |               |           |             |
|                     |          | factor C (activator 1) 4 (37kD)       | ,             |           |             |
| . *                 | *        | /DB_XREF=gi:4506490                   | *             |           |             |
|                     |          | /UG=Hs.35120 replication factor       | -             | *         |             |
| •                   |          | C (activator 1) 4 (37kD)              |               |           |             |
|                     | €.       | /FL=gb:M87339.1                       |               |           | <b>i</b>    |
|                     | 2        | gb:NM_002916.1                        | :             | ·         | . ,         |
| 204055_s <u></u> at | 0.038017 | gb:NM_005930.1 /DEF=Homo              | NM_005930     |           | NP 005921   |
| 201000_5_4          | 0.000017 | sapiens meningioma expressed          |               |           | 141 _00002  |
|                     | [        | antigen 6 (coiled-coil proline-rich)  | -             | 37.5      | *           |
|                     | *        | (MGEA6), 'mRNA. /FEA=mRNA             | ] .           |           | * "         |
|                     |          | /GEN=MGEA6                            |               |           |             |
|                     |          | /PROD=meningioma expressed            | )             |           |             |
|                     |          | antigen 6 (coiled-coilproline-rich)   | * **          | ***       |             |
|                     |          | /DB_XREF=gi:5174560                   |               | }         |             |
| 0.                  | 1        | /UG=Hs.117242 meningioma              | C             |           |             |
|                     | 1        | expressed antigen 6 (coiled-coil      |               |           |             |
| 14.                 |          | proline-rich) /FL=gb:U94780.1         | •             | 1 .       |             |
|                     |          | gb:NM_005930.1                        |               | } '-      | 1           |
| - 60-               |          | gb.14141_003930.1                     | *             | ·         |             |
| 204057_at           | 0.046740 | interferon consensus sequence         | AI073984      | Hs.14453  | NP_002154   |
| 207001_at           | 0.040748 | binding protein 1                     | /NO70304      | 113.17433 | _002192     |
| 204060 s at         | 0.025284 | gb:NM_005044.1 /DEF=Homo              | NM 005044     |           | NP 005035   |
| 204000_3_at         | 0.020204 | sapiens protein kinase, X-linked      | 1.1111_000044 |           | ].11 _00000 |
| *                   |          | (PRKX), mRNA. /FEA=mRNA               |               |           |             |
|                     |          | //GEN=PRKX /PROD=protein              | }             |           | ſ           |
| **                  |          | kinase, X-linked                      |               |           |             |
|                     |          | · · · · · · · · · · · · · · · · · · · |               |           |             |
|                     |          | //DB_XREF=gi:4826947                  |               | · ·       |             |
|                     |          | /UG=Hs.147996 protein kinase,         |               |           |             |
| <u> </u>            | <u> </u> | X-linked /FL=gb:NM_005044.1           | <del></del>   | L         |             |

|                    |          | ng to Figure 19 - Coronary Artery                      |                          | Union                       | Destail                     |
|--------------------|----------|--|--------------------------|-----------------------------|-----------------------------|
| Gene<br>Identifier | p-value  | Description  | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 204061_at          | 0.025284 | gb:NM_005044.1 /DEF=Homo                               | NM_005044                |                             | NP 005035                   |
|                    |          | sapiens protein kinase, X-linked                       | <del></del>              |                             | T                           |
|                    |          | (PRKX), mRNA. /FEA=mRNA                                | -                        |                             |                             |
|                    |          | /GEN=PRKX /PROD=protein                                |                          |                             |                             |
|                    |          | kinase, X-linked                                       | <u>.</u>                 |                             |                             |
|                    |          | /DB XREF=gi:4826947                                    | . '                      |                             |                             |
| •                  |          | /UG=Hs.147996 protein kinase,                          |                          |                             |                             |
|                    |          | X-linked /FL=gb:NM_005044.1                            |                          | *>                          | •                           |
| 204070 at          | 0.018023 | gb:NM 004585.2 /DEF=Homo                               | NM 004585                |                             | NP 004576                   |
| 2040/0_at          | 0.010023 | sapiens retinoic acid receptor                         | NVI_004303               | ~                           | 141004370                   |
|                    |          |  |                          |                             | ]                           |
| • 0                | 7.7      | responder (tazarotene induced) 3                       |                          |                             | *                           |
|                    |          | (RARRES3), mRNA.                                       | *                        |                             | a                           |
|                    |          | /FEA=mRNA /GEN=RARRES3                                 |                          |                             |                             |
|                    |          | /PROD=retinoic acid receptor                           |                          |                             |                             |
| ,                  |          | responder (tazaroteneinduced) 3                        |                          |                             |                             |
|                    |          | /DB_XREF=gi:8051633                                    |                          | *                           |                             |
| .1                 | •        | /UG=Hs.17466 retinoic acid                             |                          |                             |                             |
|                    | * .      | receptor responder (tazarotene                         |                          |                             | * •                         |
|                    |          | induced) 3 /FL=gb:AF060228.1                           |                          |                             |                             |
|                    | *        | gb:AF092922.1 gb:NM_004585.2                           |                          | y.Y.                        |                             |
|                    |          | gb:AB030815.1  |                          |                             |                             |
| 204081_at          | 0.034721 | gb:NM_006176.1 /DEF=Homo                               | NM_006176                |                             | NP_006167                   |
|                    |          | sapiens neurogranin (protein                           |                          |                             |                             |
| •                  |          | kinase C substrate, RC3)                               | ,                        |                             | 1 1                         |
|                    |          | (NRGN), mRNA. /FEA=mRNA                                |                          |                             | *                           |
|                    |          | /GEN=NRGN /PROD=neurogranin                            | ,                        |                             |                             |
|                    | 0        | /DB_XREF=gi:5453799                                    |                          |                             |                             |
|                    |          | /UG=Hs.26944 neurogranin                               |                          |                             |                             |
|                    | •        | (protein kinase C substrate,                           | :                        |                             |                             |
| i .                | ,        | RC3) /FL=gb:BC002835.1                                 |                          |                             |                             |
|                    |          | gb:U89165.1 gb:NM_006176.1                             |                          |                             | 0.76                        |
|                    |          | gb.003103.1 gb.14141_000170.1                          |                          |                             |                             |
| 204100 c at        | 0.034721 | ab:NM_002505.2_/DEE=Homo                               | NM 002505                |                             | ND 06835                    |
| 204109_s_at        | 0.034721 | gb:NM_002505.2 /DEF=Homo sapiens nuclear transcription | 14141_002303             |                             | NP_06835                    |
|                    | -        | 1  |                          |                             |                             |
|                    |          | factor Y, alpha (NFYA),                                | -                        | ,                           | *                           |
| •                  |          | transcript variant 1, mRNA.                            | 0.1                      | İ ,                         |                             |
|                    |          | /FEA=mRNA /GEN=NFYA                                    |                          |                             |                             |
|                    |          | /PROD=nuclear transcription                            |                          |                             |                             |
|                    |          | factor Y, alpha, isoform1                              |                          | 1                           |                             |
|                    | 3        | /DB_XREF=gi:11496975                                   |                          |                             |                             |
|                    | u.       | /UG=Hs.797 nuclear transcription                       |                          |                             |                             |
|                    |          | factor Y, alpha  |                          |                             |                             |
| •                  | 1        | /FL=gb:NM_002505.2                                     |                          |                             | -                           |
|                    | 1        | gb:M59079.1  |                          |                             |                             |

|             |          | ng to Figure 19 - Coronary Artery | Dis ase                               | ~              |           |
|-------------|----------|-----------------------------------|---------------------------------------|----------------|-----------|
| Gene        | p-value  | Description                       | Gen                                   | Unigene        | Protein   |
| Identifier  | 1        |                                   | Accession                             | Accession      | Accession |
|             |          |                                   | No.                                   | No.            | No.       |
| 204151_x_at | 0.026842 | gb:NM_001353.2 /DEF=Homo          | NM_001353                             |                | NP_001344 |
|             |          | sapiens aldo-keto reductase       |                                       | -              | }         |
| į           | ·        | family 1, member C1               |                                       |                |           |
|             |          | (dihydrodiol dehydrogenase 1; 20  | i .                                   | 1              | 1         |
| ,           |          | alpha (3-alpha)-hydroxysteroid    |                                       |                | ]         |
|             |          | dehydrogenase) (AKR1C1),          |                                       |                |           |
|             |          | mRNA. /FEA=mRNA                   |                                       |                |           |
|             |          | /GEN=AKR1C1 /PROD=aldo-keto       | i                                     | <b>{</b>       |           |
| *           | · .      | reductase family 1, member        | <u> </u>                              |                |           |
| :           |          | C1(dihydrodiol dehydrogenase 1;   |                                       | ,              | . '       |
|             | 38       | 20-alpha(3-alpha)-hydroxysteroid  |                                       | -              | 1         |
|             |          | dehydrogenase)                    |                                       |                | ì         |
|             |          | /DB_XREF=gi:5453542               | , , , , , , , , , , , , , , , , , , , |                | ì .       |
|             |          | /UG=Hs.306098 aldo-keto           | [                                     | [              | [         |
|             |          | reductase family 1, member C1     |                                       | 1              |           |
| o .         | -        | (dihydrodiol dehydrogenase 1; 20  |                                       |                |           |
|             |          | alpha (3-alpha)-hydroxysteroid    | 1.                                    | · ·            | i .       |
|             |          | dehydrogenase  /FL=gb:U05684.1    |                                       |                |           |
|             |          | gb:NM_001353.2 gb:M86609.1        | 1                                     | -              | }         |
| •           | -        | gb.Nivi_001303.2                  |                                       |                | l .       |
| ,           |          |                                   |                                       |                |           |
| 204153 s at | 0.046749 | gb:NM_002405.1 /DEF=Homo          | NM 002405                             |                | NP 002396 |
|             | }        | sapiens manic fringe              |                                       | 1              |           |
| ,           |          | (Drosophila) homolog (MFNG),      |                                       |                |           |
|             | [        | mRNA. /FEA=mRNA                   |                                       |                |           |
|             |          | /GEN=MFNG /PROD=manic             |                                       |                |           |
|             |          | fringe (Drosophila) homolog       |                                       | ļ              |           |
|             | 1        | /DB_XREF=gi:4505158               |                                       | *              |           |
| ,           |          | /UG=Hs.31939 manic fringe         | 4,                                    |                |           |
|             | 1        |                                   | Ţ                                     | ]              |           |
|             |          | (Drosophila) homolog              |                                       |                | }         |
|             |          | /FL=gb:U94352.1                   |                                       |                |           |
| 204404      | 0.040004 | gb:NM_002405.1                    | NINA 005400                           | 4-1 - 11 - 1-7 | ND 005454 |
| 204184_s_at | 0.040064 | gb:NM_005160.2 /DEF=Homo          | NM_005160                             |                | NP_005151 |
| ·           | /        | sapiens adrenergic, beta,         | ."                                    |                | 1         |
| }           | 1        | receptor kinase 2 (ADRBK2),       | }                                     | -              | }         |
| • •         | ]        | mRNA. /FEA=mRNA                   | 8                                     | ē              | -00       |
|             |          | /GEN=ADRBK2 /PROD=beta            | 1                                     | 1              | 1         |
|             |          | adrenergic receptor kinase 2      | _                                     |                | j         |
|             |          | /DB_XREF=gi:6138972               |                                       | , ·            |           |
|             | }        | /UG=Hs.13944 adrenergic, beta,    | 1                                     | 1              |           |
|             |          | receptor kinase 2                 |                                       | 1              |           |
|             | {        | /FL=gb:NM_005160.2                | 1                                     |                | i         |

| G ne List Co       |          | ng to Figure 19 - Coronary Artery                          |                   |                        |                      |
|--------------------|----------|--|-------------------|------------------------|----------------------|
| Gene<br>Identifier | p-value  | Description  | Gene<br>Accession | Unigene /<br>Accession | Protein<br>Accession |
| 004400 -+          | 0.040740 |  | No.               | No.                    | No.                  |
| 204190_at          | 0.046/49 | gb:NM_005800.1 /DEF≡Homo                                   | NM_005800         |                        | NP_005791            |
| er er              | **       | sapiens highly charged protein                             |                   |                        |                      |
| •                  |          | (D13S106E), mRNA   |                   |                        |                      |
| •                  |          | /FEA=mRNA /GEN=D13S106E                                    | · X-              | ·                      |                      |
|                    |          | /PROD=highly charged protein                               | 1                 |                        |                      |
|                    |          | /DB_XREF=gi:5031648  | ,                 |                        | -                    |
|                    | <b>`</b> | /UG=Hs.151236 highly charged                               | 1                 | }                      | ÷ .                  |
| 204107 o ot        | 0.049002 | protein /FL=gb:NM_005800.1                                 | NIM COASEO        |                        | ND 004244            |
| 204197_s_at        | 0.010023 | gb:NM_004350.1 /DEF=Homo                                   | NM_004350         | l .                    | NP_004341            |
|                    |          | sapiens runt-related transcription                         |                   |                        |                      |
|                    | _        | factor 3 (RUNX3), mRNA.                                    |                   |                        | İ                    |
|                    |          | /FEA=mRNA /GEN=RUNX3                                       | l                 | 1                      | Į                    |
|                    |          | /PROD=runt-related transcription                           | ,                 |                        | ,                    |
| ¥                  | , ,      | factor 3 /DB_XREF=gi:4757917<br>/UG=Hs.170019 runt-related |                   |                        | ļ                    |
| -1-1               |          |  | · .               | -                      | ľ                    |
|                    |          | transcription factor 3<br>/FL=gb:NM_004350.1               | -                 |                        |                      |
|                    |          | /FL=9b.NM_004330.1   | ē                 |                        | . *                  |
| 204198 s_at        | 0.034721 | runt-related transcription factor 3                        | AA541630          | Hs.170019              | NP 004341            |
| 204275_at          |          | small optic lobes homolog                                  | AI796687          | Hs.55836               | NP_005623            |
|                    |          | (Drosophila)   |                   |                        | _500020              |
| 204331 s_at        | 0.045316 | gb:NM_021107.1 /DEF=Homo                                   | NM 021107         |                        | NP 203527            |
|                    |          | sapiens mitochondrial ribosomal                            |                   |                        |                      |
|                    |          | protein S12 (MRPS12), mRNA.                                |                   | {                      | <b>\</b>             |
|                    | 0        | /FEA=mRNA /GEN=MRPS12                                      | 4                 |                        | ]                    |
|                    | }        | /PROD=mitochondrial ribosomal                              |                   | -                      |                      |
| *.                 |          | protein S12  |                   |                        |                      |
|                    |          | /DB_XREF=gi:11056055                                       | · ·               | 1                      |                      |
|                    |          | /UG=Hs.9964 mitochondrial                                  |                   |                        |                      |
|                    |          | ribosomal protein S12                                      | ÷.;               |                        |                      |
|                    |          | /FL=gb:NM_021107.1   |                   |                        |                      |
| 204346_s_at        | 0.026013 | gb:NM_007182.2 /DEF=Homo                                   | NM_007182         |                        | NP_733835            |
|                    |          | sapiens Ras association                                    | _                 |                        | , <del>-</del>       |
|                    |          | (RalGDSAF-6) domain family 1                               | *                 |                        |                      |
|                    |          | (RASSF1), mRNA. /FEA=mRNA                                  | 1                 | }                      |                      |
| •                  |          | /GEN=RASSF1 /PROD=Ras                                      | ·                 | 1                      |                      |
|                    |          | association (RalGDSAF-6)                                   | · .               | 1                      | }                    |
|                    |          | domain family 1  |                   | 1                      | ]                    |
|                    | -        | /DB_XREF=gi:9256633  |                   | 1                      | 1                    |
| •                  |          | /UG=Hs.26931 Ras association                               |                   | 1                      | Į                    |
|                    | 1        | (RalGDSAF-6) domain family 1                               |                   |                        | 0.52                 |
| ,                  |          | /FL=gb:AF061836.1  |                   |                        | 2.77                 |
| · ·                |          | gb:AF132676.1 gb:AF040703.2 .                              |                   | *                      |                      |
|                    | 1        | gb:NM_007182.2   |                   |                        | !                    |

| G n List Co |          | ig to Figur 19 - Coronary Art ry I | Jisease      |           | <u> </u>   |
|-------------|----------|------------------------------------|--------------|-----------|------------|
| Gene        | p-value  | Description                        | G ne         | Unigene   | Protein    |
| ldentifi r  |          |                                    | Accession    | Accession | Accession  |
| ·           | ,        | *                                  | No.          | No.       | No.        |
| 204352_at   | 0.040064 | gb:NM_004619.1 /DEF=Homo           | NM_004619    |           | NP 665702  |
| 1           |          | sapiens TNF receptor-associated    | <del>.</del> |           |            |
|             |          | factor 5 (TRAF5), mRNA.            |              |           |            |
|             |          | /FEA=mRNA /GEN=TRAF5               |              | •         | · ,        |
|             |          | /PROD=TNF receptor-associated      |              |           |            |
| *           | ·        | factor 5 /DB_XREF=gi:11321602      | - 4          |           |            |
|             |          | /UG=Hs.29736 TNF receptor-         |              |           |            |
| •           |          | associated factor 5                | *            |           |            |
|             |          | /FL=gb:NM_004619.1                 |              |           |            |
| •           | · .      |                                    |              |           | . ** ***   |
| 3.6%        |          | gb:AB000509.1                      | Y            | 1         |            |
| 004055 -4   | 0.000040 | -LAINA O440CC 4 /DEE-Llows         | NIM 0440GG   |           | ND 640500  |
| 204355_at   | 0.026842 | gb:NM_014966.1 /DEF=Homo           | NM_014966    |           | NP_619520  |
|             |          | sapiens KIAA0890 protein           |              |           |            |
|             |          | (KIAA0890), mRNA. /FEA=mRNA        | 1            |           |            |
| 0.4         | * :      | /GEN=KIAA0890                      |              |           |            |
|             |          | /PROD=KIAA0890 protein             |              | 1.        |            |
|             |          | /DB_XREF=gi:7662361                |              |           |            |
|             |          | /UG=Hs.323462 KIAA0890             |              | -         | 1.0        |
|             |          | protein /FL=gb:AB020697.1          |              |           |            |
|             |          | gb:NM_014966.1                     |              |           |            |
| 204369_at   | 0.046749 | gb:NM_006218.1 /DEF=Homo           | NM_006218    |           | NP_006209  |
|             | -        | sapiens phosphoinositide-3-        |              | . *       |            |
|             | 7        | kinase, catalytic, alpha           |              |           | ·.         |
|             |          | polypeptide (PIK3CA), mRNA.        |              | , -       |            |
| 0           |          | /FEA=mRNA /GEN=PIK3CA              |              |           |            |
|             |          | /PROD=phosphoinositide-3-          | . : '        |           |            |
| ,           |          | kinase, catalytic,                 |              |           |            |
| -);-        |          | alphapolypeptide                   | ·            |           |            |
| *           |          | /DB_XREF=gi:5453891                |              |           |            |
| 16          | *        | /UG=Hs.85701 phosphoinositide-3    | .]           |           |            |
|             |          | kinase, catalytic, alpha           |              | * .       |            |
| · ·         |          | polypeptide /FL=gb.U79143.1        |              |           |            |
| 101         |          |                                    |              | -55       |            |
| 204202 04   | 0.040466 | gb:NM_006218.1                     | NIM 022710   | 9         | NP 073210  |
| 204383_at   | 0.042466 | gb:NM_022719.1 /DEF=Homo           | NM_022719    | * ,       | NP_0/32/10 |
|             |          | sapiens DiGeorge syndrome          | *            |           |            |
|             |          | critical region gene DGSI          |              |           |            |
| **          |          | (DGSI), mRNA. /FEA=mRNA            |              |           |            |
|             |          | /GEN=DGSI /PROD=DiGeorge           |              | ·         | 0.10       |
|             |          | syndrome critical region gene      |              |           |            |
|             |          | DGSIprotein                        |              | (         | 1          |
|             | *        | /DB_XREF=gi:13027629               |              |           | - 10       |
|             |          | /UG=Hs.154879 DiGeorge             |              | 1         |            |
|             | 1        | syndrome critical region gene      |              | 1         |            |
|             | 1        | DGSI /FL=gb:NM 022719.1            | ,            | 1.        |            |

|             |                | ng to Figure 19 - Coronary Artery I |                  | Unicono  | Drotoin   |
|-------------|----------------|-------------------------------------|------------------|--|-----------|
| Gene        | p-value        | D scription                         | G ne             | Unigene  | Protein   |
| ldentifier  |                |                                     | Accession        | Accession  | Acc ssion |
|             |                |                                     | No.              | No.  | No.       |
| 204396_s_at | 0.046749       | gb:NM_005308.1 /DEF=Homo            | NM_005308        |  | NP_005299 |
|             | es, or eeg ore | sapiens G protein-coupled           |                  |  | }         |
|             | ,              | receptor kinase 5 (GPRK5),          |                  |  |           |
| C.          |                | mRNA. /FEA=mRNA                     |                  |  | 1         |
|             |                | /GEN=GPRK5 /PROD=G protein-         |                  |  | 1         |
|             |                | coupled receptor kinase 5           | · .              |  | 1         |
| •           |                | /DB XREF=gi:4885348                 |                  |  | 1         |
|             |                | /UG=Hs.211569 G protein-            | ) . · ·          | }  |           |
|             |                | coupled receptor kinase 5           | <u> </u>         |  | •         |
|             | ]              | /FL=gb:L15388.1                     |                  | 1.   |           |
| •           |                |                                     |                  |  | -         |
| 001100      | 0.040004       | gb:NM_005308.1                      | NINA 04 4740     | <del>                                     </del> | ND OFFE   |
| 204403_x_at | 0.040064       | gb:NM_014719.1 /DEF=Homo            | NM_014719        | Ì  | NP_055534 |
|             |                | sapiens KIAA0738 gene product       |                  | }  | 1.        |
|             |                | (KIAA0738), mRNA. /FEA=mRNA         |                  |  |           |
|             |                | /GEN=KIAA0738                       | *                | Į.   | 1         |
|             |                | /PROD=KIAA0738 gene product         |                  |  |           |
|             |                | /DB_XREF=gi:7662275                 |                  | 1  | 1         |
| #           | Y _ ()         | /UG=Hs.107479 KIAA0738 gene         |                  |  |           |
|             |                | product /FL=gb:AB018281.1           |                  | 1  |           |
|             |                | gb:NM_014719.1                      | <u>.</u>         | *. •   |           |
|             | ł              | 3                                   |                  |  |           |
| 204481_at   | 0.034721       | gb:NM 004634.1 /DEF=Homo            | NM 004634        |  | NP 004625 |
|             |                | sapiens bromodomain and PHD         | { <del>-</del> · | 1  | _         |
|             |                | finger containing, 1 (BRPF1),       | j .              | - 4  | -1-       |
|             |                | mRNA. /FEA=mRNA                     |                  | 1  |           |
|             |                | /GEN=BRPF1                          | *                |  |           |
|             | · ·            | /PROD=bromodomain-containing        | *                | 1  |           |
| •           |                | -                                   | •                |  | ,         |
| *           |                | protein /DB_XREF=gi:4757865         | <u>.</u>         |  |           |
|             |                | /UG=Hs 1004 bromodomain and         |                  |  | }         |
|             |                | PHD finger containing, 1            |                  | 1  | 1         |
|             |                | /FL=gb:M91585.1                     |                  |  | İ         |
|             | L              | gb:NM_004634.1                      | <u> </u>         |  |           |
| 204490_s_at | 0.025284       | gb:M24915.1 /DEF≈Human              | M24915           |  | NP_00060  |
|             |                | CDw44 antigen, complete cds.        |                  | ·  |           |
|             |                | /FEA=mRNA                           |                  |  | ,         |
|             |                | /DB XREF=gi:180196                  |                  | 1  | 1         |
| :           | **             | /UG=Hs.169610 CD44 antigen          | ر                |  |           |
|             | i ·            | (homing function and Indian         |                  |  | 1         |
|             |                | blood group system)                 |                  |  |           |
|             |                | /FL=gb:NM_000610.1                  |                  |  | 1         |
| ·           | ,              |                                     | 1                |  |           |
|             |                | gb:U40373.1 gb:M59040.1             | ł                |  | 1         |
|             | <u> </u>       | gb:M24915.1                         |                  | <u> </u>   | 1         |

| Gene        | p-value  | Description                             | Gene      | Unigene   | Protein   |
|-------------|----------|---|-----------|-----------|-----------|
| Identifier  |          | 1                                       | Accession | Accession | Accession |
|             | 1        | •                                       | No        | No.       | No.       |
| 204493 at   | 0.034721 | gb:NM_001196.1 /DEF=Homo                | NM_001196 | 110.      | NP_001187 |
|             |          | sapiens BH3 interacting domain          |           | ľ         |           |
|             |          | death agonist (BID), mRNA.              |           | . (       |           |
|             |          | /FEA=mRNA /GEN=BID                      | l.        |           |           |
|             |          | /PROD=BH3 interacting domain            |           |           |           |
|             |          | death agonist                           |           |           |           |
|             |          | /DB XREF=gi:4557360                     | =         | <b>J</b>  | ,         |
|             |          | /UG=Hs.172894 BH3 interacting           |           | l         |           |
|             |          | domain death agonist                    |           |           |           |
|             |          | /FL=gb:AF042083.1                       |           |           |           |
|             | ,        | gb:NM_001196.1                          |           |           |           |
| 204524 at   | 0.045316 | gb:NM_002613.1 /DEF=Homo                | NM 002613 |           | NP 002604 |
|             |          | sapiens 3-phosphoinositide              |           |           |           |
| · .         | * 4.7    | dependent protein kinase-1              | <b>}</b>  |           | }         |
|             | . 7      | (PDPK1), mRNA. /FEA=mRNA                | *         |           | 4         |
|             |          | /GEN=PDPK1 /PROD=3-                     | *. *.     |           |           |
|             |          | phosphoinositide dependent              | -         |           |           |
|             | 3 0      | protein kinase-1                        |           |           | **        |
|             |          | /DB_XREF=gi:4505694                     |           | . *       | [         |
|             |          | /UG=Hs.154729 3-                        |           | *         |           |
|             |          | phosphoinositide dependent              | ,         | }         |           |
|             |          | protein kinase-1                        |           |           | * *       |
|             |          | /FL=gb:AF017995.1                       |           |           |           |
|             |          | gb:NM_002613.1                          |           |           | }         |
| 204529 s at | 0.025284 | thymus high mobility group box          | AI961231  | Hs.184297 | NP 055544 |
|             | -        | protein TOX                             |           |           |           |
| 204549_at   | 0.025284 | gb:NM_014002.1 /DEF=Homo                | NM 014002 |           | NP 054721 |
| ,           |          | sapiens IKK-related kinase              | 1 -       | ĺ         | · -       |
| •           |          | epsilon; inducible IkappaB kinase       | 8-        |           |           |
| *           |          | (IKKE), mRNA /FEA=mRNA                  |           |           | {         |
| •           |          | /GEN=IKKE /PROD=IKK-related             | [         |           |           |
|             |          | kinase epsilon                          |           |           |           |
|             |          | /DB_XREF=gi:7661945                     |           | }         |           |
| ÷.          |          | /UG=Hs.321045 IKK-related               | 0         |           |           |
|             | ,        | kinase epsilon; inducible IkappaB       |           |           |           |
|             |          | kinase /FL=gb:D63485.1                  |           | 1         |           |
|             |          | gb:AB016590.1 gb:AF241789.1             | ·         | l         |           |
| . •<br>. •  | **       | gb:NM_014002.1                          |           |           | :         |
|             |          | - · · · · · · · · · · · · · · · · · · · | 1 ·       | Į .       | 1         |

|             |          | ng to Figure 19 - Coronary Artery I  |              | Unidono   | Prot in     |
|-------------|----------|--|--------------|-----------|-------------|
| Gen         | p-value  | Description  | Gene         | Unigene   |             |
| Identifier  |          |  | Accession    | Accession | Accession   |
|             |          |  | No.          | No.       | No.         |
| 204610_s_at | 0.018693 | gb:NM_006848.1 /DEF=Homo   | NM_006848    |           | NP_006839   |
|             | 00       | sapiens hepatitis delta antigen-   |              |           |             |
|             | -        | interacting protein A (DIPA),  |              |           |             |
| a           | 1        | mRNA. /FEA=mRNA /GEN=DIPA  |              | ·         |             |
|             |          | /PROD=hepatitis delta antigen-   |              | İ         |             |
|             | }        | interacting protein A  |              |           |             |
|             | ļ        | /DB_XREF=gi:5803004  |              |           | ]           |
|             |          | /UG=Hs.66713 hepatitis delta   |              | *         |             |
|             |          | antigen-interacting protein A  |              | *         |             |
|             |          | /FL=gb:U63825.1  |              |           | '           |
|             |          | gb:NM_006848.1   |              | * 1       |             |
| 204617_s_at | 0.025293 | gb:NM_022914.1 /DEF=Homo   | NM_022914    |           | NP 075065   |
| <u> </u>    |          | sapiens hypothetical protein   | -            |           |             |
|             |          | 24432 (24432), mRNA.   |              |           |             |
|             |          | /FEA=mRNA /GEN=24432   | [ ]          |           |             |
|             |          | /PROD=hypothetical protein   |              |           |             |
|             |          | 24432 /DB_XREF=gi:12597658   |              | -         | ,           |
|             | 2        | /UG=Hs.78019 hypothetical  |              | * *       | 1           |
|             |          | protein 24432  |              |           | -12-        |
|             | 19       | /FL=gb:NM_022914.1   |              |           |             |
| 204622 x_at | 0.034317 | gb:NM 006186.1 /DEF=Homo   | NM 006186    | 1         | NP 775265   |
|             | 0.90.07  | sapiens nuclear receptor   | 144117000100 |           | 02.90       |
| ( <u></u>   | -)(*     | subfamily 4, group A, member 2   |              | 90        | <b>.</b>    |
|             |          | (NR4A2), mRNA. /FEA=mRNA   |              | •         |             |
|             |          | /GEN=NR4A2 /PROD=nuclear   |              |           |             |
| **          | 1        | receptor subfamily 4, group A,   | Ì            |           | (A)         |
| •           | )        | member 2   |              | *         |             |
|             |          | //DB_XREF=gi:5453821   | =            | , , ,     |             |
|             |          | /UG=Hs.82120 nuclear receptor  | 9            | , .       | . [         |
| ,           | *        | subfamily 4, group A, member 2   | 100          |           | 1           |
|             |          | /FL=gb:NM_006186.1   | 1.           |           |             |
| 204630 ot   | 0.040064 |  | NM_000022    | 1         | NP_000013   |
| 204639_at   | 0.040004 | sapiens adenosine deaminase  | 14101_000022 | 1         | JIMF_000013 |
|             |          | Topical and the second and the secon | *            |           |             |
| ٠           | *        | (ADA), mRNA. /FEA=mRNA   | - 10         |           | •           |
|             |          | /GEN=ADA /PROD=adenosine   | 1            |           | 1           |
| 8-          |          | deaminase  | a.           |           | 1           |
|             |          | /DB_XREF=gi:4557248  |              | '         | 1           |
| • •         |          | /UG=Hs.1217 adenosine  |              |           |             |
| Ł           |          | deaminase /FL=gb:K02567.1  |              | }         | 1           |
| · ·         | <u> </u> | gb:NM_000022.1   |              | <u> </u>  | 1           |

| Gene List Co | rrespondii | ng to Figure 19 - Coronary Artery I | Disease      |             |             |
|--------------|------------|-------------------------------------|--------------|-------------|-------------|
| Gene         | p-value    | Description                         | Gene         | Unig ne     | Protein     |
| ldentifi r   |            |                                     | Accession    | Acc ssion   | Accession   |
|              | ,          |                                     | No:          | No.         | No.         |
| 204655_at    | 0.018023   | gb:NM_002985.1 /DEF=Homo            | NM 002985    | 1301        | NP_002976   |
| 7 :          |            | sapiens small inducible cytokine    |              |             |             |
|              | <u> </u>   | A5 (RANTES) (SCYA5), mRNA.          |              |             |             |
|              | }          | /FEA=mRNA /GEN=SCYA5                | )            | }           | {           |
| u u          |            | /PROD=small inducible cytokine      | }            | }           |             |
|              | *          | A5 (RANTES)                         |              | İ           |             |
| •            | İ          | /DB_XREF=gi:4506846                 | ĺ ′          |             |             |
| *            | :          | /UG=Hs.241392 small inducible       | ·            | <u> </u>    | *           |
|              |            | cytokine A5 (RANTES)                | 8            |             | * 1         |
|              |            | /FL=gb:AF043341.1 gb:M21121.1       |              | 197         |             |
|              | i ·        | gb:NM_002985.1 gb:AF266753.1        | [            |             |             |
|              |            | gb.14W_002303.1                     | 1            | ,           | 14          |
|              |            |                                     | [            | <b>j</b> '  |             |
| 204683 at    | 0.025294   | gb:NM 000873.2 /DEF=Homo            | NM 000873    |             | NP_000864   |
| 204005_at    | 0.025264   | sapiens intercellular adhesion      | 14141_000013 | i           | INP_000664  |
| -):          |            |                                     | `            |             |             |
|              |            | molecule 2 (ICAM2), mRNA.           |              | }           |             |
|              | <b>.</b> . | /FEA=mRNA /GEN=ICAM2                |              | *           | ļ           |
|              |            | /PROD=intercellular adhesion        |              | }           |             |
|              |            | molecule 2 precursor                |              |             |             |
|              |            | /DB_XREF=gi:12545398                |              | ł           |             |
|              |            | /UG=Hs.83733 intercellular          | *            | 1           |             |
|              | 1          | adhesion molecule 2                 | ł            | e           |             |
|              |            | /FL=gb:NM_000873.2                  | *            |             |             |
| 004000       | 0.004704   | gb:BC003097.1                       | 1111 000004  | ļ           | N.D. 600400 |
| 204698_at    | 0.034721   | gb:NM_002201.2 /DEF=Homo            | NM_002201    | 9           | NP_002192   |
|              |            | sapiens interferon stimulated       | *            |             | 1           |
|              |            | gene (20kD) (ISG20), mRNA.          | <b>J</b> .   |             | <u> </u>    |
|              |            | /FEA=mRNA /GEN=ISG20                |              |             |             |
|              | Ĩ          | /PROD=interferon stimulated         |              | *           |             |
| ě            | =          | gene (20kD)                         |              |             | 3.          |
|              |            | /DB_XREF=gi:6857799                 | . `          |             |             |
| (i)          |            | /UG=Hs.183487 interferon            |              |             | , ±         |
|              |            | stimulated gene (20kD)              | ł            | l .         |             |
| <u>.</u> .   | 1          | /FL=gb:U88964.1                     | ł ·          | ŀ           |             |
| 004000       | 0.000750   | gb:NM_002201.2                      | 1100040      | 10.4754     | NE OFFICE   |
| 204699_s_at  | 0.022752   | novel putative protein similar to   | N30910       | Hs.194754   | NP_055203   |
|              | İ          | YIL091C yeast hypothetical 84 kD    |              |             | į           |
| 004740       | 0.045040   | protein from SGA1-KTR7              | 1114 604445  | <del></del> | 200         |
| 204718_at    | 0.045316   | gb:NM_004445.1 /DEF=Homo            | NM_004445    |             | NP_004436   |
|              | [          | sapiens EphB6 (EPHB6) mRNA.         | [            |             | . "         |
|              |            | /FEA=mRNA /GEN=EPHB6                | j            | 1           |             |
|              |            | /PROD=EphB6                         | j            | 1           |             |
|              | 1          | /DB_XREF=gi:4758291                 | 1            |             |             |
|              |            | /UG=Hs.3796 EphB6                   |              |             |             |
|              | 1          | /FL=gb:D83492.1                     | }            |             |             |
| L            | <u></u>    | gb:NM_004445.1                      | 1            | <u> </u>    | L           |

**b**.

| Gene List Co | p-value  | ng to Figure 19 - Coronary Artery  <br>Description | G ne      | Unigona   | Droto:-   |
|--------------|----------|--|-----------|-----------|-----------|
|              | p-value  | Describtion  |           | Unigene   | Protein   |
| Identifier   |          | ,  | Accession | Accession | Accession |
| 004704**-1   | 0.040000 |  | No.       | No.       | No.       |
| 204731_at    | 0.018023 | gb:NM_003243.1 /DEF=Homo                           | NM_003243 |           | NP_003234 |
|              |          | sapiens transforming growth                        |           |           |           |
|              | ľ        | factor, beta receptor III                          |           |           |           |
|              |          | (betaglycan, 300kD) (TGFBR3),                      | ·         |           | *         |
|              | ·        | mRNA. /FEA=mRNA                                    |           | 1         |           |
|              | 1        | /GEN=TGFBR3  |           |           |           |
| .)(          | ,        | /PROD=transforming growth                          |           |           |           |
|              | ] .      | factor, beta receptor                              | Ì         | 1         | *         |
|              | * '      | III(betaglycan, 300kD)                             |           |           |           |
|              |          | /DB_XREF=gi:4507470                                |           |           |           |
| 0            |          | /UG=Hs.79059 transforming                          |           | ·         |           |
|              |          | growth factor, beta receptor III                   | -         |           |           |
| 7            |          | (betaglycan, 300kD)                                |           |           |           |
|              |          | /FL=gb:NM_003243.1                                 |           | *         |           |
|              |          | gb:L07594.1  |           |           |           |
| 204788_s_at  | 0.018023 | gb:NM_000309.1 /DEF=Homo                           | NM_000309 |           | NP_000300 |
| •            |          | sapiens protoporphyrinogen                         |           |           |           |
| 0            |          | oxidase (PPOX), mRNA.                              | ē         |           |           |
|              | į.       | /FEA=mRNA /GEN=PPOX                                | 1         | <u> </u>  |           |
|              | 3        | /PROD=protoporphyrinogen                           |           |           | 20        |
|              |          | oxidase /DB_XREF=gi:4506000                        |           |           |           |
| • .          |          | /UG=Hs.100016                                      |           |           |           |
| * .          |          | protoporphyrinogen oxidase                         | 3         |           |           |
|              |          | /FL=gb:NM_000309.1                                 | * .       |           | 1         |
|              | 0        | gb:D38537.1  | -         |           |           |
| 204791_at    | 0.018023 | gb:NM_003297.1 /DEF=Homo                           | NM_003297 |           | NP_003288 |
|              |          | sapiens nuclear receptor                           |           | <u> </u>  |           |
| ,            |          | subfamily 2, group C, member                       |           |           |           |
| ,            |          | 1 (NR2C1), mRNA /FEA=mRNA                          |           |           |           |
| Q. •         |          | /GEN=NR2C1 /PROD=nuclear                           | 1         | <b>\</b>  |           |
|              |          | receptor subfamily 2, group C,                     |           |           |           |
|              |          | member 1   |           |           |           |
|              |          | /DB_XREF=gi:4507672                                |           |           |           |
| * -          |          | /UG=Hs.108301 nuclear receptor                     |           | -         |           |
|              |          | subfamily 2, group C, member                       | ]         |           |           |
|              |          | 1 /FL=gb:M29960.1                                  | Ì         |           |           |
|              |          | gb:NM_003297.1                                     |           |           |           |

|              |  | ng to Figure 19 - Coronary Artery I |              | lia!a  | D-A-1       |
|--------------|--|-------------------------------------|--------------|--|-------------|
| Gn           | p-value                                | Description                         | Gene         | Unigene  | Protein     |
| ldentifier · |  |                                     | Accession    | Accession  | Accession   |
|              |  |                                     | No.          | No.  | No.         |
| 204811_s_at  | 0.021876                               | gb:NM 006030.1 /DEF=Homo            | NM 006030    |  | NP_006021   |
|              |  | sapiens calcium channel, voltage    | _            |  | _           |
|              |  | dependent, alpha 2delta subunit     |              |  | · (1)       |
| ***          | *                                      | 2 (CACNA2D2), mRNA.                 | ,            | *  |             |
|              |  | /FEA=mRNA /GEN=CACNA2D2             | ·            |  |             |
|              |  |                                     | ·            |  | 1           |
|              | ,                                      | /PROD=calcium channel, voltage-     | 1            |  | 1           |
|              |  | dependent, alpha2delta subunit 2    | i .          |  |             |
|              |  | /DB_XREF=gi:5174402                 | ,            |  |             |
|              |  | /UG=Hs.127436 calcium channel,      |              |  |             |
| *            |  | voltage-dependent, alpha 2delta     |              |  |             |
|              | · ·                                    | subunit 2 /FL=gb:AF040709.1         |              |  |             |
|              |  | gb:NM_006030.1                      |              | .00  | *           |
| 0            |  |                                     |              |  | *           |
| 1,1          |  |                                     | [            |  | ſ           |
|              |  | *                                   | 3            |  |             |
| 204828_at    | 0.025284                               | gb:NM 004584.1 /DEF=Homo            | NM 004584    | <del>                                     </del> | NP 004575   |
| 204020_at    | 0,020204                               | _                                   | 14141_004304 |  | 141 _004373 |
|              | -                                      | sapiens RAD9 (S. pombe)             | 1            |  |             |
|              |  | homolog (RAD9), mRNA.               |              | •  |             |
|              | 10.8                                   | /FEA=mRNA /GEN=RAD9                 | *            |  | · ·         |
|              | · /                                    | /PROD=RAD9 (S. pombe)               |              |  |             |
|              |  | homolog /DB_XREF=gi:4759021         | to at the    |  | <b>[</b> .  |
|              |  | /UG=Hs.240457 RAD9 (S.              |              |  |             |
|              |  | pombe) homolog                      |              |  | *           |
|              | ľ                                      | /FL=gb:U53174.1                     |              |  |             |
|              |  | gb:NM_004584.1                      |              |  |             |
| 204837 at    | 0.025284                               | Consensus includes                  | AL080178     |  | NP 05627    |
| 204001_at    | 0.020204                               | gb:AL080178.1 /DEF=Homo             | 712000170    |  | 100027      |
| ٠.           |  | sapiens mRNA; cDNA                  |              |  |             |
|              |  | 1 ·                                 |              |  |             |
| * .          |  | DKFZp434K171 (from clone            |              |  | 1           |
|              |  | DKFZp434K171); partial cds.         |              |  |             |
| 2            |  | /FEA=mRNA                           |              | * .  |             |
|              |  | /GEN=DKFZp434K171                   |              |  |             |
|              |  | /PROD=hypothetical protein          |              |  |             |
|              |  | /DB_XREF≟gi:5262652                 |              |  |             |
|              |  | /UG=Hs.27194 DKFZP434K171           |              |  |             |
| ÷            |  | protein /FL=gb:NM_015458.1          |              | Ì  |             |
| 204838_s at  | 0.033533                               |                                     | NM_014381    |  | NP_05519    |
|              | 0.00000                                | sapiens mutL (E. coli) homolog      | 110 ; 100 !  |  |             |
|              |  | 3 (MLH3), mRNA. /FEA=mRNA           |              |  |             |
| -00          | İ                                      |                                     |              | [  |             |
|              |  | /GEN=MLH3 /PROD=mutL (E.            |              |  |             |
|              | 1                                      | coli) homolog 3                     | ,            | 1 :  |             |
|              | 1                                      | /DB_XREF=gi:7657336                 |              | . 00   |             |
|              | 1                                      | /UG=Hs.279843 mutL (E. coli)        |              |  |             |
| Q 0          |  | homolog 3 /FL=gb:AF195657.1         |              |  |             |
|              | h                                      | gb:NM_014381.1                      | *            | 1.5  | 1           |
| 204860_s_at  | 0.046749                               | baculoviral IAP repeat-containing 1 | AI817801     | Hs.79019   | NP_00452    |
| · - · - ·    |  |                                     | *            |  |             |
|              | خـــــــــــــــــــــــــــــــــــــ | I                                   | <del></del>  | 1  |             |

| Gene List Corresponding to Figure 19 - Coronary Artery Disease |            |                                  |   |           |              |  |
|--|------------|----------------------------------|---|-----------|--------------|--|
| Gene   |            | Description                      | Gene                                    | Unigene   | Protein      |  |
| ld ntifier   |            | , '*                             | Accession                               | Accession | Accession    |  |
|  |            | ť                                | No.                                     | No.       | No.          |  |
| 204891_s at  | 0.018023   | gb:NM_005356.1 /DEF=Homo         | NM_005356                               |           | NP_005347    |  |
|  |            | sapiens lymphocyte-specific      | <del>-</del>                            |           | _            |  |
|  |            | protein tyrosine kinase (LCK),   | [- ···· · · · · · · · · · · · · · · · · |           | -{           |  |
|  |            | mRNA. /FEA=mRNA /GEN=LCK         |   |           |              |  |
|  |            | /PROD=lymphocyte-specific        | ] .                                     |           |              |  |
|  |            | protein tyrosine kinase          |   |           | ļ .          |  |
|  |            | /DB_XREF=gi:4885448              |   |           |              |  |
|  |            | /UG=Hs.1765 lymphocyte-specific  | 1                                       |           | * .          |  |
|  |            | protein tyrosine kinase          |   |           |              |  |
|  | ,          | /FL=gb:M36881.1 gb:U07236.1      |   |           |              |  |
| 1.   |            | gb:NM_005356.1                   |   |           |              |  |
| 204912 at  | 0.034721   | gb:NM_001558.1 /DEF=Homo         | NM 001558                               | <u> </u>  | NP 001549    |  |
|  | ٠.٥٥،٢١,٣١ | sapiens interleukin 10 receptor, | 55,556                                  |           | 1 - 20 10,10 |  |
| 14 a   |            | alpha (IL10RA), mRNA.            |   |           |              |  |
|  | • 0 • *    | /FEA=mRNA /GEN=IL10RA            |   |           |              |  |
|  | · ·        | /PROD=interleukin 10 receptor,   | ×- '                                    |           | · '          |  |
| ; !"   |            | alpha /DB_XREF=gi:4504632        | ¥ .                                     |           |              |  |
|  | 1.         | /UG=Hs.327 interleukin 10        | [                                       |           |              |  |
| *  |            | receptor, alpha                  |   |           |              |  |
|  |            | /FL=gb:NM_001558.1               |   | 1.        | ,            |  |
|  | -          | gb:U00672.1                      |   |           |              |  |
| 204972_at  | 0.046740   | gb:NM_016817.1 /DEF=Homo         | NM_016817                               |           | NP 058197    |  |
| 204972_at  | 0.040749   | sapiens 2-5oligoadenylate        | 14101_010017                            | 25        | NP_000197    |  |
|  |            | synthetase 2 (OAS2), transcript  |   |           |              |  |
|  |            | variant 1, mRNA /FEA=mRNA        |   | 1         | , ·          |  |
| -11-   |            |                                  |   |           | 1            |  |
|  | 7 .        | /GEN=OAS2 /PROD=2-               |   | . *       | l            |  |
| •  |            | 5oligoadenylate synthetase 2,    |   |           | 1            |  |
|  |            | isoform p71                      |   | •         |              |  |
|  | -          | /DB_XREF=gi:8051624              |   |           |              |  |
|  |            | /UG=Hs.264981 2-5oligoadenylate  | ·                                       | - 22      |              |  |
|  |            | synthetase 2 /FL=gb:M87434.1     | <i>:</i>                                | -         |              |  |
|  |            | gb:NM_016817.1                   |   | ì         |              |  |
|  |            |                                  |   | ·         | \            |  |
| 204976_s_at  | 0.018023   | Consensus includes               | AK023637                                | -         | NP_056180    |  |
|  | ,          | gb:AK023637.1 /DEF=Homo          |   |           | 1.           |  |
| * *  |            | sapiens cDNA FLJ13575 fis,       | •                                       |           | -            |  |
|  |            | clone PLACE1008630.              | ,                                       | ***       | 1            |  |
|  |            | /FEA=mRNA                        |   |           | 1            |  |
|  | · .        | /DB_XREF=gi:10435621             |   | ]         |              |  |
|  | Υ.         | /UG=Hs.326142 Alport syndrome,   | *.                                      |           | 1            |  |
| -  |            | mental retardation, midface      | - 180                                   | 4         | 1            |  |
|  |            | hypoplasia and elliptocytosis    |   |           | 1            |  |
|  | : 1        | chromosomal region, gene 1       |   | <b>.</b>  |              |  |
|  |            |                                  | 1                                       | 1         | 1            |  |
|  | ,          | /FL=gb:NM_015365.1               |   |           |              |  |

|             |            | ng to Figure 19 - Coronary Artery I |              | 17. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. | B 4       |
|-------------|------------|-------------------------------------|--------------|--|-----------|
| Gene        | p-value    | Description                         | Gen          | Unigene                                    | Protein   |
| ldentifier  |            |                                     | Accession    | Accession                                  | Accession |
|             |            |                                     | No.          | No.  | No.       |
| 204980_at   | 0.018222   | gb:NM_004898.1 /DEF=Homo            | NM_004898    |  | NP_004889 |
|             |            | sapiens clock (mouse) homolog       |              |  |           |
|             |            | (CLOCK), mRNA. /FEA=mRNA            |              |  |           |
|             |            | /GEN=CLOCK /PROD=clock              | y ·          | ļ .  |           |
| Y.          | ·          | (mouse) homolog                     | · .          |  |           |
|             | -          | /DB_XREF=gi:4758009                 | }            |  | - Tr      |
| -           |            | /UG=Hs.50722 clock (mouse)          |              |  |           |
| . •         |            | homolog /FL=gb:AB002332.1           |              |  |           |
|             | -          | gb:AF011568.1 gb:NM_004898.1        |              |  | - 1       |
| 205022_s_at | 0.025284   | gb:NM_005197.1 /DEF=Homo            | NM_005197    | 3 - 2 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1  | NP_005188 |
|             | 0.020201   | sapiens checkpoint suppressor 1     | 11111_000101 |  | 1009100   |
|             |            | (CHES1), mRNA. /FEA=mRNA            |              |  |           |
| •           |            | /GEN=CHES1 /PROD=checkpoint         |              |  | 7.6       |
|             |            | suppressor 1                        |              |  |           |
|             |            | • •                                 |              |  |           |
|             |            | /DB_XREF=gi:4885136                 | į .          |  | ·         |
|             |            | /UG=Hs.211773 checkpoint            |              | 8 .  |           |
|             |            | suppressor 1 /FL=gb:U68723.1        |              |  |           |
| 005040      | 0.004704   | gb:NM_005197.1                      |              | 18:  |           |
| 205042_at   | 0.034721   | gb:NM_005476.2 /DEF=Homo            | NM_005476    |  | NP_005467 |
|             |            | sapiens UDP-N-                      |              |  |           |
|             | 11:        | acetylglucosamine-2-epimeraseN-     |              |  |           |
|             |            | acetylmannosamine kinase            | .•           |  |           |
|             |            | (GNE), mRNA./FEA=mRNA               |              |  |           |
| •           |            | /GEN=GNE /PROD=UDP-N-               |              |  | · .       |
|             |            | acetylglucosamine-2-epimeraseN-     |              |  |           |
|             |            | acetylmannosamine kinase            |              |  | ~         |
| . · ·       | ,          | /DB_XREF=gi:6382074                 |              | *  |           |
|             | ,          | /UG=Hs.5920 UDP-N-                  | ļ            |  |           |
| *           | *          | acetylglucosamine-2-epimeraseN-     |              |  |           |
| =.' +       | / 1        | acetylmannosamine kinase            | 9            |  |           |
|             |            | /FL=gb.AF051852.1                   | *            |  |           |
| ·           |            | gb:AF155663.1 gb:NM_005476.2        |              |  | . *       |
| 205081_at   | 0.034721   | gb:NM_001311.1 /DEF=Homo            | NM_001311    |  | NP_001302 |
|             | 0.001.21   | sapiens cysteine-rich protein 1     | 1111_001011  |  | -001002   |
|             | 1          | (intestinal) (CRIP1), mRNA.         | i .          |  |           |
|             | 1          | /FEA=mRNA /GEN=CRIP1                | 1            | ,  |           |
| 7           |            | /PROD=cysteine-rich protein 1       | O a          | · ,  | .y.,      |
|             | <b>.</b> . | (intestinal) /DB_XREF=gi:4503046    | ł            | 1  | }         |
|             | 9          | //UG=Hs.17409 cysteine-rich         |              | /  |           |
|             | {          |                                     | i            |  | 1         |
|             | 1.         | protein 1 (intestinal)              |              |  |           |
|             |            | /FL=gb:BC002738.1 gb:U58630.1       |              |  |           |
|             |            | gb:NM_001311.1 gb:U09770.1          |              | ,  |           |
|             | ,          | ,                                   |              |  |           |
|             |            |                                     |              |  |           |

| Gene        | p-value  | ng to Figure 19 - Coronary Artery | Gene      | Univers   | D              |
|-------------|----------|-----------------------------------|-----------|-----------|----------------|
|             | p-value  | Description                       |           | Unigene   | Protein        |
| ldentifier  |          | *                                 | Accession | Accession | Accession      |
| 00-10-      |          |                                   | No.       | No.       | No.            |
| 205105_at   | 0.018023 | gb:NM_002372.1 /DEF=Homo          | NM_002372 |           | NP_002363      |
|             |          | sapiens mannosidase, alpha,       |           |           | white a second |
|             | ,        | class 2A, member 1 (MAN2A1),      | } '       | -8-       | '              |
|             |          | mRNA. /FEA=mRNA                   | } .       | }         |                |
|             |          | /GEN=MAN2A1                       |           |           |                |
| <b>.</b>    | ļ .      | /PROD=mannosidase, alpha,         | }         |           | ļ              |
|             |          | class. 2A, member 1               |           |           |                |
|             |          | /DB_XREF=gi:4758697               | 1 1.2     |           | ,              |
|             |          | /UG=Hs.32965 mannosidase,         |           |           |                |
|             |          | alpha, class 2A, member 1         |           | Ì         | Ì              |
|             |          | /FL=gb:U31520.1                   | 1         | · .       | 1              |
|             |          | gb:NM_002372.1 gb:D63998.1        |           |           |                |
| 205126_at   | 0.031704 | gb:NM_006296.1 /DEF=Homo          | NM_006296 |           | NP_006287      |
|             |          | sapiens vaccinia related kinase   |           | ļ         |                |
|             | ļ<br>,   | 2 (VRK2), mRNA. /FEA=mRNA         |           |           |                |
| •           | [        | /GEN=VRK2 /PROD=vaccinia          | [         | _         | 1              |
|             |          | related kinase 2                  | 1         | İ         | 1              |
|             | ·        | /DB_XREF=gi:5454163               | ,         |           | 1              |
|             | <u> </u> | /UG=Hs.82771 vaccinia related     |           |           |                |
|             | ł        | kinase 2 /FL=gb:AB000450.1        | 1         | ××.       |                |
|             |          | gb:NM_006296.1                    |           |           | }              |
| 205128_x_at | 0.046749 | gb:NM_000962.1 /DEF=Homo          | NM_000962 |           | NP_542158      |
|             | }        | sapiens prostaglandin-            |           |           | -              |
| *           |          | endoperoxide synthase 1           |           |           | ·              |
|             |          | (prostaglandin GH synthase and    |           |           | 1              |
| ij÷.        |          | cyclooxygenase) (PTGS1),          |           |           | ì              |
|             |          | mRNA. /FEA=mRNA                   |           |           |                |
|             |          | /GEN=PTGS1                        |           |           | *              |
|             | ł        | /PROD=prostaglandin-              |           |           |                |
|             |          | endoperoxide synthase             | i i       |           |                |
| •           |          | 1(prostaglandin GH synthase       | ŀ         |           |                |
|             |          | and cyclooxygenase)               |           |           | 2.0            |
| *           |          | /DB_XREF=gi:11386140              | ~         |           |                |
| -           |          | /UG=Hs.88474 prostaglandin-       |           |           | [              |
|             |          | endoperoxide synthase 1           |           |           | (              |
|             |          | (prostaglandin GH synthase and    |           |           |                |
|             |          | (cyclooxygenase)                  | 1         |           |                |
|             |          | /FL=gb:NM_000962.1                | 1,00      |           | 1              |
|             | · ·      | gb:M59979.1                       |           | J         | 1              |

|             |          | ng to Figure 19 - Coronary Artery I |                 |              | , , ,        |
|-------------|----------|-------------------------------------|-----------------|--------------|--------------|
| G ne        | p-value  | Description                         | Gene            | Unigene      | Protein      |
| ldentifier_ |          |                                     | Accession       | Accession    | Accession    |
|             |          | · ·                                 | No.             | No.          | No.          |
| 205176_s_at | 0.034721 | gb:NM_014288.1 /DEF=Homo            | NM 014288       |              | NP_055103    |
| 200110_0_0  | 0.00     | sapiens integrin beta 3 binding     |                 | ,            |              |
|             |          | protein (beta3-endonexin)           |                 |              | ())          |
|             | i ·      |                                     | ļ               |              | ,            |
| **          | i        | (ITGB3BP), mRNA /FEA=mRNA           |                 |              |              |
|             | [        | /GEN=ITGB3BP /PROD=integrin         | *               |              | ł            |
|             |          | beta 3 binding protein(beta3-       |                 |              |              |
|             | ĺ        | endonexin)                          |                 |              | 1            |
|             | · .      | /DB_XREF=gi:7657205                 |                 |              |              |
|             |          | /UG=Hs.82084 integrin beta 3        |                 |              | (6)          |
|             |          | binding protein (beta3-endonexin)   |                 |              |              |
|             | l · ·    | /FL=gb:BC005301.1                   |                 |              | •            |
|             | ĺ        | gb:AF175306.1 gb:NM_014288.1        | i ,             | Ì            |              |
| 205212 s at | 0.038017 | gb:NM 014716.1 /DEF=Homo            | NM_014716       | <del> </del> | NP_055531    |
| 203212_5_at | 0.030017 | 17 =                                | 14141 -0 147 10 |              | 141 _000001  |
|             | ļ ·      | sapiens KIAA0050 gene product       |                 | ļ.           |              |
|             |          | (ACAP1), mRNA. /FEA=mRNA            |                 |              |              |
|             | ł .      | /GEN=ACAP1 /PROD=centaurin          | ٠.              |              |              |
|             | -):-     | beta1 /DB_XREF=gi:7661879           | ·               |              | ,            |
|             | 1        | /UG=Hs.108947 KIAA0050 gene         |                 |              | (**          |
|             | J        | product /FL=gb:D30758.1             | ]               | }            | ]            |
|             |          | gb:NM_014716.1                      |                 |              |              |
|             |          | J                                   |                 |              |              |
| 205214_at   | 0.034721 | gb:NM_004226.1 /DEF=Homo            | NM_004226       |              | NP_004217    |
|             |          | sapiens serinethreonine kinase      |                 | 8            |              |
|             | ľ        | 17b (apoptosis-inducing)            |                 |              |              |
|             | 1        | (STK17B), mRNA. /FEA=mRNA           | 3               |              |              |
|             |          | /GEN=STK17B                         |                 | ļ            | ļ            |
|             |          |                                     | 1               | - X-         | 8            |
| }           | ł        | /PROD=serinethreonine kinase        | -               |              | ;            |
| ,           |          | 17b(apoptosis-inducing)             |                 |              |              |
| 1.          | `        | /DB_XREF=gi:4758193                 | *               |              |              |
| ] '         | 00       | /UG=Hs.120996 serinethreonine       |                 | }            | ļ            |
| 8           |          | kinase 17b (apoptosis-inducing)     |                 |              |              |
| *5          |          | /FL=gb:AB011421.1                   |                 |              | }            |
|             |          | gb:NM_004226.1                      | - 13            |              |              |
| 205250_s_at | 0.031704 | gb:NM_014684.1 /DEF=Homo            | NM_014684       | <del></del>  | NP_055499    |
|             | 0.001701 | sapiens KIAA0373 gene product       | 1.40 1 100 1    |              | 111 _000 100 |
| [ -         | (        | (KIAA0373), mRNA. /FEA=mRNA         |                 | ĺ            | [            |
|             |          |                                     | 1               | .,           |              |
|             |          | /GEN=KIAA0373                       |                 |              |              |
|             | *        | /PROD=KIAA0373 gene product         |                 |              |              |
|             |          | /DB_XREF=gi:7662079                 | ,               |              |              |
| ł.          |          | /UG=Hs 150444 KIAA0373 gene         | 1               |              |              |
|             |          | product /FL=gb:AB002371.1           | 9               |              |              |
| 1           | [        | gb:NM_014684.1                      |                 |              |              |
|             |          | <u> </u>                            |                 |              |              |
|             |          | <del></del>                         | <del></del>     |              |              |

| Gene List Co | rrespondi | ng to Figure 19 - Coronary Artery I | Disease   |           |           |
|--------------|-----------|-------------------------------------|-----------|-----------|-----------|
| Gene         | p-value   | Description                         | Gene      | Unigene   | Protein   |
| Identifier   |           |                                     | Accession | Accession | Accession |
|              |           |                                     | No.       | No.       | No.       |
| 205267_at    | 0.018444  | gb:NM_006235.1 /DEF=Homo            | NM_006235 |           | NP_006226 |
|              |           | sapiens POU domain, class 2,        |           |           |           |
|              |           | associating factor 1 (POU2AF1),     |           |           | 7         |
| 3            |           | mRNA. /FEA=mRNA                     | *         | 1         |           |
|              |           | /GEN=POU2AF1 /PROD=POU              | }         | 1         |           |
|              |           | domain, class 2, associating        | Ì         |           | 2.0       |
|              |           | factor 1 /DB_XREF=gi;5453933        | 4         |           |           |
|              |           | /UG=Hs.2407 POU domain,             | 1         | <b>1</b>  | 1         |
|              |           | class 2, associating factor 1       |           | }         |           |
|              |           | /FL=gb:NM_006235.1                  | ļ         |           | 1         |
|              |           |                                     | 1         |           |           |
| 205282_at    | 0.046749  | gb:NM_004631.1 /DEF=Homo            | NM_004631 |           | NP_150643 |
|              |           | sapiens low density lipoprotein     | }         |           |           |
| -4           |           | receptor-related protein 8,         | 1         |           | 1         |
|              |           | apolipoprotein e receptor (LRP8),   |           |           |           |
|              |           | mRNA. /FEA=mRNA                     | 1         | 1         | {         |
|              |           | /GEN=LRP8 /PROD=low density         | 7         |           | }         |
| <i>v</i> 1   | ١.        | lipoprotein receptor-related        |           |           | 180       |
|              |           | protein8, apolipoprotein e          |           |           |           |
|              |           | receptor /DB_XREF=gi:4758687        |           |           | 1/-       |
|              | <u> </u>  | /UG=Hs.54481 low density            |           |           | }         |
|              |           | lipoprotein receptor-related        |           |           |           |
|              |           | protein 8, apolipoprotein e         |           |           | *         |
|              |           | receptor /FL=gb:D50678.1            |           |           |           |
|              | ·         | gb:NM_004631.1                      |           |           | <u> </u>  |
|              |           |                                     | L         | <u> </u>  |           |
| 205297_s_at  | 0.036254  | gb:NM_000626.1 /DEF=Homo            | NM_000626 |           | NP_067613 |
|              | }         | sapiens CD79B antigen               |           | }         |           |
|              |           | (immunoglobulin-associated beta)    |           |           |           |
|              |           | (CD79B), transcript variant 1,      | 1         |           |           |
|              |           | mRNA. /FEA=mRNA                     | 1         |           |           |
|              |           | /GEN=CD79B /PROD=CD79B              |           |           | }         |
| • ÷          |           | antigen, isoform 1 precursor        | } .       |           | 1         |
|              |           | /DB_XREF=gi:11038673                | 1         |           |           |
| *            |           | /UG=Hs.89575 CD79B antigen          | 1         |           |           |
|              | 1         | (immunoglobulin-associated beta)    | 1         |           | 1         |
| *            |           | /FL=gb:NM_000626.1                  | 1         | }         | }         |
| * 4          |           | gb:M80461.1 gb:M89957.1             |           | 1         |           |

|                   |                     | ng to Figure 19 - Coronary Art ry | .,                                  |            |  |
|-------------------|---------------------|-----------------------------------|-------------------------------------|------------|--|
| Gene              | p-value             | Description                       | Gen                                 | Unigene    | Protein  |
| dentifier         |                     |                                   | Accession                           | Accession  | Accession  |
|                   |                     | •                                 | No.                                 | No.        | No.  |
| 205301 s at       | 0.045316            | gb:NM 016820.1 /DEF=Homo          | NM_016820                           |            | NP 058438  |
| . , , <del></del> |                     | sapiens 8-oxoguanine DNA          | · · · · · · · · · · · · · · · · · · |            | <del> </del>   |
|                   | · .                 | glycosylase (OGG1), nuclear       |                                     |            |  |
| *                 |                     | gene encoding mitochondrial       | -                                   |            | The state of the s |
| -                 |                     | _                                 |                                     |            |  |
| • .               |                     | protein, transcript variant 1c,   |                                     |            |  |
| •                 |                     | mRNA. /FEA=mRNA                   | *                                   |            | 1  |
|                   |                     | /GEN=OGG1_/PROD=8-                |                                     | *          |  |
| lel .             | - \( \frac{1}{2} \) | oxoguanine DNA glycosylase,       |                                     |            |  |
| •                 |                     | isoform 1c                        |                                     |            |  |
|                   |                     | /DB_XREF=gi:8670531               | ~                                   | *          |  |
|                   |                     | /UG=Hs.96398 8-oxoguanine         |                                     |            |  |
|                   |                     | DNA glycosylase                   |                                     |            | Ă.   |
|                   |                     | /FL=gb:U96710.1 gb:AF026691.1     | ĺ                                   | <b>]</b> , |  |
|                   |                     | gb:NM_016820.1                    |                                     |            |  |
| 205315_s_at       | 0.018222            | gb:NM 006750.1 /DEF=Homo          | NM_006750                           |            | NP 57089   |
| 2000 10_s_at      | 0.0.10222           | sapiens syntrophin, beta 2        | 14141_0007.50                       |            | _37003   |
|                   |                     |                                   |                                     |            |  |
|                   |                     | (dystrophin-associated protein    |                                     |            |  |
| •                 | <u></u>             | A1, 59kD, basic component 2)      |                                     |            | <br>   |
|                   | 0                   | (SNTB2), mRNA. /FEA=mRNA          |                                     | · .        |  |
| •                 |                     | /GEN=SNTB2 /PROD=syntrophin,      | ,                                   |            |  |
| 4.                |                     | beta 2 (dystrophin-               |                                     |            |  |
|                   |                     | associatedprotein A1, 59kD,       |                                     |            |  |
|                   | 8                   | basic component 2)                | ,                                   |            |  |
|                   |                     | /DB_XREF=gi:5803176               |                                     | ÷          | :  |
|                   |                     | /UG=Hs.172278 syntrophin, beta    | *                                   |            |  |
|                   |                     | 2 (dystrophin-associated protein  |                                     |            |  |
| ,                 |                     | A1, 59kD, basic component 2)      |                                     |            |  |
|                   |                     |                                   | -00                                 |            |  |
| · ·               |                     | /FL=gb:U40572.1                   |                                     |            |  |
|                   |                     | gb:NM_006750.1                    |                                     |            |  |
| 205340_at         | 0.019657            |                                   | NM_014797                           | •          | NP_05561   |
|                   |                     | sapiens KIAA0441 gene product     |                                     | ÷          |  |
|                   | •                   | (KIAA0441), mRNA. /FEA=mRNA       | 1                                   |            |  |
| •                 |                     | /GEN=KIAA0441                     |                                     | -81        | *  |
|                   |                     | /PROD=KIAA0441 gene product       |                                     |            |  |
|                   |                     | /DB_XREF=gi:7662127               |                                     |            | , ′  |
|                   |                     | /UG=Hs.32511 KIAA0441 gene        |                                     |            |  |
|                   |                     | product /FL=gb:AB007901.1         |                                     |            |  |
|                   |                     | gb:NM_014797.1                    |                                     |            | 2  |
| 205401_at         | 0.025284            |                                   | NIM DOSCEO                          |            | ND 00365   |
| 205401_at         | 0.025264            | _                                 | NM_003659                           |            | NP_00365   |
|                   |                     | sapiens alkylglycerone phosphate  |                                     | *          | 4  |
|                   | <u>:</u>            | synthase (AGPS), mRNA.            | ,                                   | [ .        | 1  |
|                   |                     | /FEA=mRNA /GEN=AGPS               |                                     |            | 1 .  |
|                   |                     | /PROD=alkylglycerone phosphate    | 1                                   | *          |  |
| •                 |                     | synthase precursor                |                                     |            | ĺ  |
|                   |                     | /DB_XREF=gi:4501992               |                                     |            |  |
|                   | ].·                 | /UG=Hs.22580 alkylglycerone       | *                                   |            |  |
|                   |                     | phosphate synthase                |                                     |            |  |
|                   |                     | /FL=gb:NM_003659.1                | · ·                                 | -95        |  |
|                   | 1                   | In Emantine Constitution          | I                                   | 1          | I  |

|                                       |            | ig to Figure 19 - Coronary Artery I | Disease                      |  | -           |
|---------------------------------------|------------|-------------------------------------|------------------------------|--|-------------|
| Gene                                  | p-value    | Description                         | G ne                         | Unigene  | Prot in     |
| ldentifier                            |            |                                     | Accession                    | Accession                                      | Accession   |
|                                       |            |                                     | No.                          | No.  | No.         |
| 205411_at                             | 0.018023   | gb:NM_006282.1 /DEF=Homo            | NM 006282                    |  | NP_006273   |
|                                       |            | sapiens serinethreonine kinase 4    |                              | <b>[</b>                                       | -           |
|                                       |            | (STK4), mRNA. /FEA=mRNA             | e e com e companyo da<br>Com | 9.0 0  |             |
| : ·                                   | ,          | /GEN=STK4                           | ļ                            |  | ,           |
|                                       |            | /PROD=serinethreonine kinase 4      | 1                            |  | 100         |
|                                       | ,          | /DB_XREF=gi:5454095                 | -                            |  | <b>}</b> `. |
|                                       | 1          | /UG=Hs.35140 serinethreonine        |                              | 1  |             |
| . *                                   |            | kinase 4 /FL=gb.U18297.1            | ţ                            |  | ł           |
|                                       | * .        | gb:U60207.1 gb:NM_006282.1          | <u>.</u>                     | *  |             |
| 205434_s_at                           | 0.005004   | adaptor-associated kinase 1         | AW451954                     | Hs.135941                                      | ND OFFTOR   |
|                                       |            | <del></del>                         |                              | ITS. 135941                                    | NP_055726   |
| 205437_at                             | 0.025264   | gb:NM_006385.1 /DEF=Homo            | NM_006385                    |  | NP_006376   |
|                                       |            | sapiens zinc finger protein 211     | ,                            |  | }           |
| •                                     |            | (ZNF211), mRNA. /FEA=mRNA           | · '                          | }  |             |
|                                       | 0 0        | /GEN=ZNF211 /PROD≈zinc              |                              |  |             |
|                                       |            | finger protein 211                  |                              | 1  | <b>{</b>    |
|                                       |            | /DB_XREF=gi:5454175                 | 1 -                          |  |             |
|                                       |            | /UG=Hs.15110 zinc finger protein    | 1 '                          |  | 1           |
|                                       | rt.        | 211 /FL=gb:U38904.1                 | ĺ .                          | A  | (           |
|                                       |            | gb:NM_006385.1                      |                              | <u> </u>                                       |             |
| 205442_at                             | 0.049425   | gb:NM_021647.1 /DEF=Homo            | NM_021647                    | <b>.</b> " " " " " " " " " " " " " " " " " " " | NP_067679   |
| *                                     |            | sapiens KIAA0626 gene product       | . 7                          | ,  |             |
|                                       |            | (KIAA0626), mRNA. /FEA=mRNA         |                              | 8  | -           |
|                                       | *          | /GEN=KIAA0626                       |                              | }  |             |
|                                       | · .        | /PROD=KIAA0626 gene product         | ٠.                           | 1  |             |
| . ·                                   |            | /DB_XREF=gi:11067364                | ŀ                            |  | 1           |
| ·                                     |            | /UG=Hs.178121 KIAA0626 gene         |                              |  | ì           |
| •                                     |            | product /FL=gb:NM_021647.1          | i .                          |  | i .         |
|                                       |            | gb:AB014526.1                       |                              |  |             |
| * _                                   |            | J                                   | · "                          |  |             |
| 205462_s_at                           | 0.049425   | gb:NM 002149.1 /DEF=Homo            | NM_002149                    | · · · · · · · · · · · · · · · · · · ·          | NP 602293   |
| 7                                     | 0.0.0      | sapiens hippocalcin-like 1          | -                            |  | 1111_002200 |
| ļ <sup>:</sup>                        | ļ          | (HPCAL1), mRNA /FEA=mRNA            |                              |  | ŀ           |
| ٠, ٠                                  |            | /GEN=HPCAL1                         | ł                            | ł  | <u>.</u>    |
|                                       |            | /PROD≂hippocalcin-like 1            | .7 .                         | <u> </u>                                       |             |
| ,                                     | ,          | /DB_XREF=gi:4504474                 | <b>1</b>                     |  | l .         |
|                                       |            | /UG=Hs.3618 hippocalcin-like 1      |                              |  | 1           |
|                                       |            |                                     | 1                            | .).  | 1           |
|                                       | · ·        | /FL=gb:NM_002149.1                  | · ·                          | j  |             |
| 205492                                | 0.024724   | gb:D16227.1                         | NIM 005404                   |  | ND 005000   |
| 205483_s_at                           | 0.034721   | 10                                  | NM_005101                    |  | NP_005092   |
| ,                                     |            | sapiens interferon-stimulated       |                              |  | * . ·       |
| •                                     | -          | protein, 15 kDa (ISG15), mRNA.      |                              | }  | ł           |
|                                       | <b>]</b> . | /FEA=mRNA /GEN=ISG15                |                              |  | {           |
|                                       | ł          | /PROD=interferon-stimulated         |                              |  | 1           |
| *                                     | ĺ          | protein, 15 kDa                     | l .                          |  | 1           |
|                                       | [          | /DB_XREF=gi:4826773                 | 90                           |  |             |
|                                       | {          | /UG=Hs.833 interferon-stimulated    |                              | <u> </u>                                       | ] .         |
| , , , , , , , , , , , , , , , , , , , | }          | protein, 15 kDa                     | ļ                            |  |             |
|                                       | }          | /FL=gb:M13755.1                     |                              | -  | 1           |
|                                       | <u></u>    | gb:NM_005101.1                      | ·                            |  |             |

|                                       |          | ng to Figure 19 - Coronary Artery I |              | Unigona      | Droto:-   |
|---------------------------------------|----------|-------------------------------------|--------------|--------------|-----------|
| Gene                                  | p-value  | Description                         | Gene         | Unigene      | Protein   |
| ldentifier                            |          |                                     | Accession    | Accession    | Accession |
|                                       |          |                                     | No.          | No.          | No.       |
| 205488_at                             | 0.018023 | gb:NM_006144.2 /DEF=Homo            | NM_006144    | -            | NP_006135 |
|                                       |          | sapiens granzyme A (granzyme        |              |              |           |
|                                       | , ·      | 1, cytotoxic T-lymphocyte-          |              |              | ļ ·       |
| · · · · · · · · · · · · · · · · · · · | į.       | associated serine esterase 3)       |              | 9            | 1         |
| :                                     | [        | (GZMA), mRNA. /FEA≕mRNA             |              |              |           |
|                                       |          | /GEN=GZMA /PROD=granzyme            |              |              |           |
|                                       |          | A precursor                         | {            |              |           |
|                                       |          | /DB_XREF=gi:6996012                 | ·            |              | }         |
|                                       | 1        | /UG=Hs.90708 granzyme A             |              | * _          | 1         |
|                                       | -        |                                     | ١.           |              | Ì         |
|                                       |          | (granzyme 1, cytotoxic T-           |              |              | · :       |
|                                       | *        | lymphocyte-associated serine        |              |              |           |
|                                       |          | esterase 3) /FL=gb:M18737.1.        | l            |              |           |
|                                       |          | gb:NM_006144.2                      |              | <del> </del> |           |
| 205511_at                             | 0.042466 | gb:NM_017976.1 /DEF=Homo            | NM_017976    |              | NP_060446 |
|                                       |          | sapiens hypothetical protein        | · ·          |              |           |
| *                                     | ·        | FLJ10038 (FLJ10038), mRNA.          |              |              |           |
|                                       |          | /FEA=mRNA /GEN=FLJ10038             |              |              | <b>∤.</b> |
|                                       | l        | /PROD=hypothetical protein          |              | 1            | · .       |
|                                       |          | FLJ10038 /DB_XREF=gi:8922197        |              |              |           |
|                                       |          | /UG=Hs.181202 hypothetical          | <u> </u>     |              | 1         |
|                                       | } `      | protein FLJ10038                    |              |              | * *       |
| -80                                   |          | /FL=gb:NM_017976.1                  |              | 1.           |           |
|                                       | [·       | <u></u>                             |              | ĺ            | 1         |
| 205525_at                             | 0.048741 | gb:NM_018495.3 /DEF=Homo            | NM 018495    | <del></del>  |           |
| 200020_at                             | 0.040741 | sapiens NAG22 protein               | 11111_010430 | 1            |           |
| 8                                     | 1        | (LOC55873), mRNA.                   | · .          | 1            | 1         |
| , ·                                   |          | /FEA=mRNA /GEN=LOC55873             | ,            |              | 1.        |
| ·                                     |          |                                     | }            |              |           |
| ·                                     |          | /PROD=NAG22 protein                 | ·.·          | 9            | · .       |
| ,                                     |          | /DB_XREF=gi:13236500                |              |              |           |
| ,                                     | . 9      | /UG=Hs.283080 NAG22 protein         | ,            |              | 1 .       |
|                                       | 10       | /FL=gb:AF247820.3                   | }            |              |           |
|                                       |          | gb:NM_018495.3                      |              |              |           |
| 205583_s_at                           | 0.046749 | gb:NM_024810.1 /DEF=Homo            | NM_024810    |              | NP_079086 |
|                                       |          | sapiens hypothetical protein        |              | 1            |           |
| ·                                     | [ ·      | FLJ23018 (FLJ23018), mRNA.          | . 0          | 1 .          | { ·       |
|                                       | 1        | /FEA=mRNA /GEN=FLJ23018             |              | 1            | 1.        |
|                                       |          | /PROD=hypothetical protein          |              |              | 1         |
|                                       |          | FLJ23018                            | 1            |              |           |
|                                       |          | /DB XREF=gi:13376194                |              | 1            |           |
|                                       |          | /UG=Hs.169078 hypothetical          | 200          |              |           |
| *                                     | İ        | protein FLJ23018                    |              | 1            | 1         |
|                                       |          | ( *                                 | 1            |              |           |
|                                       | <u> </u> | /FL=gb:NM_024810.1                  |              | 1            | 1         |

| Gene List Co | rr spondir | ng to Figure 19 - Coronary Artery I          | Diseas                                 |              |                                       |
|--------------|------------|--|--|--------------|---------------------------------------|
| Gene         | p-value    | D scription                                  | Gene                                   | Unig ne      | Protein                               |
| Identifier   |            | · -  | Accession                              | Accession    | Accession                             |
|              |            |  | No.                                    | No.          | No.                                   |
| 205586_x_at  | 0.049425   | gb:NM 003378.1 /DEF=Homo                     | NM_003378                              |              | NP_003369                             |
|              |            | sapiens VGF nerve growth                     | _                                      |              | _                                     |
|              |            | factor inducible (VGF), mRNA.                |  |              |                                       |
|              |            | /FEA=mRNA /GEN=VGF                           | [ ·                                    |              | · `                                   |
|              |            | /PROD=VGF nerve growth factor                |  | ł            | ·                                     |
|              | ·          | inducible /DB_XREF=gi:4507888                |  |              |                                       |
|              |            | /UG=Hs.171014 VGF nerve                      |  |              |                                       |
|              |            | growth factor inducible                      | e                                      |              | .,                                    |
|              |            | /FL=gb:NM_003378.1                           |  |              |                                       |
|              | ,          |  |  |              | *                                     |
| 205599 at    | 0.010657   | gb:NM 005658.1 /DEF=Homo                     | NM_005658                              | <del> </del> | NP 005649                             |
| 203395_at    | 0.019037   | sapiens TNF receptor-associated              | [ININ_003036                           |              | 145 -005049                           |
|              |            |  |  |              | *                                     |
|              |            | factor 1 (TRAF1), mRNA.                      |  |              |                                       |
|              |            | /FEA=mRNA /GEN=TRAF1                         |  |              |                                       |
| •            | 0          | /PROD=TNF receptor-associated                |  | 8            | · .:                                  |
| •            |            | factor 1 /DB_XREF=gi:5032192                 | :                                      |              |                                       |
|              |            | /UG=Hs.2134 TNF receptor-                    |  | <u> </u>     | -                                     |
| . *          |            | associated factor 1                          | %                                      |              | 0.                                    |
|              | ]          | /FL=gb:NM_005658.1                           |  | ***          |                                       |
|              | * '        | gb:U19261.1                                  | ,                                      | -            | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|              | <u> </u>   |  |  |              |                                       |
| 205661_s_at  | 0.025284   | gb:NM_025207.1 /DEF=Homo                     | NM_025207                              |              | NP_079483                             |
|              |            | sapiens hypothetical protein                 | }                                      | ,            | *                                     |
|              |            | PP591 (PP591), mRNA.                         | j                                      |              |                                       |
| : •          |            | /FEA=mRNA /GEN=PP591                         |  | , ·          | *                                     |
|              |            | /PROD=hypothetical protein                   |  | -            | l '-                                  |
|              |            | PP591 /DB_XREF=gi:13376805                   |  |              |                                       |
| •            |            | /UG=Hs.118666 hypothetical                   |  | -            |                                       |
|              | -          | protein PP591                                |  |              |                                       |
|              |            | /FL=gb:NM_025207.1                           |  | *            |                                       |
| 205684_s_at  | 0.034721   | gb:NM_017925.1 /DEF=Homo                     | NM_017925                              | T 700        | NP_060395                             |
|              |            | sapiens hypothetical protein                 |  |              | <b>-</b>                              |
|              |            | FLJ20686 (FLJ20686), mRNA.                   |  | 2.40         |                                       |
|              |            | /FEA=mRNA /GEN=FLJ20686                      |  |              |                                       |
| . •          |            | /PROD=hypothetical protein                   |  |              |                                       |
|              |            | FLJ20686 /DB_XREF=gi:8923616                 | ļ .                                    | ·            |                                       |
|              | <b>*</b>   | /UG=Hs.271480 hypothetical                   | 1                                      | 1            | - 32                                  |
| .*           | ,          | protein FLJ20686                             | 1                                      |              |                                       |
|              | ~          | /FL=gb:NM_017925.1                           |  | ,            |                                       |
|              | 181        | - <u>-                                  </u> |  |              |                                       |
| 205718_at    | 0.038017   | gb:NM_000889.1 /DEF=Homo                     | NM_000889                              | 7            | NP_000880                             |
| ,            |            | sapiens integrin, beta 7 (ITGB7),            |  | *            |                                       |
|              |            | mRNA /FEA=mRNA                               |  |              |                                       |
|              | 1.         | /GEN=ITGB7 /PROD=integrin,                   |  | 1            | 1                                     |
|              |            | beta 7 /DB_XREF=gi:4504776                   | *                                      | *            |                                       |
| •            |            | /UG=Hs.1741 integrin, beta 7                 |  | 1            | 1                                     |
| •            |            | /FL=gb:M68892.1 gb:M62880.1                  |  |              |                                       |
|              |            | gb:NM_000889.1                               | *                                      | -            |                                       |
|              |            | IAPTIAIN COORS                               | ــــــــــــــــــــــــــــــــــــــ | I            | L                                     |

| Gene          | p-value   | ng to Figure 19 - Coronary Artery  Description | Gen           | Unigene   | Protein      |
|---------------|-----------|--|---------------|-----------|--------------|
| Identifier    | p raido   |  | Accession     | Accession | Accession    |
| identifici    |           |  | No.           | No.       | No.          |
| 205758_at     | 0.03018   | CD8 antigen, alpha polypeptide                 | AW006735      | Hs.85258  | NP_741969    |
| 200700_at     | 0.05010   | (p32).   | 1             | 113.00200 | 145-14 1908  |
| 205821_at     | 0.018444  | gb:NM_007360.1 /DEF=Homo                       | NM 007360     |           | NP_031386    |
| 20002 1_at    | 0.010444  | sapiens DNA segment on                         | 111111_007500 |           | 1145_03 1560 |
|               | <u> </u>  | chromosome 12 (unique) 2489                    |               |           |              |
| *X*           |           | expressed sequence                             | l             |           |              |
|               |           | (D12S2489E), mRNA.                             |               |           |              |
|               |           | /FEA=mRNA /GEN=D12S2489E                       |               | -         | l            |
|               | 1         | /PROD=NKG2-D type II integral                  |               |           | ľ            |
|               |           | membrane protein                               | -X-           |           |              |
| ·             |           | /DB_XREF=gi:6679051                            | **            | 1         |              |
| *             |           | /UG=Hs.74085 DNA segment on                    |               | *         | <b>.</b> .   |
|               | ) · · · · | chromosome 12 (unique) 2489                    | }             | ;         | . ´          |
| l             | 1:        | expressed sequence                             |               |           | <b>,</b>     |
| -             | }         | /FL=gb:NM_007360.1                             | 2             |           | *            |
| ,             | }         | gb:AF260135.1 gb:AF260136.1                    | 1             |           |              |
| 205831_at     | 0.018023  |  | NM 001767     | 1         | NP 001758    |
| <del></del> - | 1.        | sapiens CD2 antigen (p50),                     | }             |           |              |
|               | 1         | sheep red blood cell receptor                  | 1             |           |              |
|               | 1         | (CD2), mRNA. /FEA=mRNA                         |               | ,         | Ì            |
| . 0           | 1         | /GEN=CD2 /PROD=CD2 antigen                     |               |           | ľ            |
|               | 1         | (p50), sheep red blood                         |               | [         | <b>(</b>     |
| -             | ]         | cellreceptor                                   |               |           | 6.           |
|               | )         | /DB_XREF=gi:4502652                            |               |           |              |
| ·             | <u>.</u>  | /UG=Hs.89476 CD2 antigen                       | 1             |           | }            |
|               | 1         | (p50), sheep red blood cell                    |               |           | <b>)</b>     |
|               |           | receptor /FL=gb:M16445.1                       |               |           | 1            |
|               |           | gb:M14362.1 gb:M16336.1                        | 1             |           | }            |
| <u> </u>      |           | gb:NM_001767.1                                 | <u> </u>      |           |              |
| 205873_at     | 0.018023  | 101 - 1  | NM_004278     |           | NP_004269    |
| * 7           | 1         | sapiens phosphatidylinositol                   |               | 130       |              |
|               | 1         | glycan, class L (PIGL), mRNA.                  | [·. ·         |           | { · · · ·    |
|               | ]         | /FEA=mRNA /GEN=PIGL                            | - 27-         | · · ·     |              |
|               | ]         | /PROD=phosphatidylinositol                     |               |           | ]            |
|               | 1         | glycan, class L                                |               |           | · .          |
|               | }         | /DB_XREF=gi:4758921                            | 1             |           |              |
|               |           | /UG=Hs.27008                                   |               | A         |              |
|               |           | phosphatidylinositol glycan, class             | <b>}</b> `.   | *         |              |
| ,             |           | L /FL=gb:AB017165.1                            | 1             |           |              |
|               | *         | gb:NM_004278.1                                 | 1             |           |              |
| •             | 1         |  |               | 1 .       | 1            |

|             |          | ig to Figure 19 - Coronary Artery I |           |              | <b></b>    |
|-------------|----------|-------------------------------------|-----------|--------------|------------|
| Gene        | p-value  | Description                         | Gene      | Unigene      | Protein    |
| Identifier  | -        | -                                   | Accession | Accession    | Accession  |
|             |          |                                     | No.       | No.          | No.        |
| 205885 s at | 0.018222 | gb:L12002.1 /DEF=Human              | L12002    | 200          | NP 000876  |
|             |          | integrin alpha 4 subunit mRNA,      |           |              |            |
|             |          | complete cds. /FEA=mRNA             |           |              |            |
|             |          | /GEN=ITGA4 /PROD=integrin           |           | }            | }          |
|             | 0.       |                                     |           | ł            | 1          |
|             |          | alpha 4 subunit                     | . *       |              | ŀ          |
|             | 1        | /DB_XREF=gi:903743                  |           |              |            |
|             |          | /UG=Hs.40034 integrin, alpha 4      |           | Ì            |            |
|             |          | (antigen CD49D, alpha 4 subunit     |           | }            |            |
|             | ,        | of VLA-4 receptor)                  |           |              |            |
|             |          | /FL=gb:NM_000885.2                  |           | ì            |            |
|             | 1        | gb:L12002.1                         |           |              |            |
| 205988_at   | 0.018023 | gb:NM_003874.1 /DEF=Homo            | NM_003874 |              | NP_003865  |
|             |          | sapiens CD84 antigen (leukocyte     |           | 1            |            |
|             |          | antigen) (CD84), mRNA.              |           |              |            |
|             |          | /FEA=mRNA /GEN=CD84                 |           |              | ł          |
| •           | ,        | /PROD=CD84 antigen (leukocyte       |           | Ì            | 1          |
|             | *        | antigen) /DB_XREF=gi:4502686        |           |              |            |
|             |          | /UG=Hs.137548 CD84 antigen          | }         |              | }          |
|             |          |                                     |           | 1            | 1          |
| ·           |          | (leukocyte antigen)                 | 1         |              |            |
|             |          | /FL=gb:U82988.1                     | }         | <b>!</b> . • |            |
|             |          | gb;NM_003874.1 gb:AF054815.1        | ļ ·       |              |            |
| 200025 -4   | 0.040000 | Canada in alluda a                  | NIM OCCOO | <del> </del> | ND 000000  |
| 206035_at   | 0.018693 | Consensus includes                  | NM_002908 | İ            | NP_002899  |
|             |          | gb:NM_002908.1 /DEF=Homo            |           |              | 1          |
|             | ł        | sapiens v-rel avian                 | }         | }            | ł ·        |
|             |          | reticuloendotheliosis viral         | j         |              | *          |
| •           | }        | oncogene homolog (REL),             |           | Ì            |            |
|             |          | mRNA. /FEA=mRNA /GEN=REL            | ł         |              |            |
|             | 1        | /PROD=v-rel avian                   | [         | -            |            |
| r.          |          | reticuloendotheliosis viral         |           | ,            |            |
|             |          | oncogenehomolog                     |           |              |            |
|             |          | /DB_XREF=gi:4506472                 | · ·       |              |            |
|             | }        | /UG=Hs.44313 v-rel avian            |           |              |            |
|             |          | reticuloendotheliosis viral         | i         |              |            |
|             | ]        | oncogene homolog                    | ·         | •            | · ·        |
|             | ł        | /FL=gb:NM_002908.1                  |           |              |            |
| 206049_at   | 0.038017 |                                     | NM_003005 | <del> </del> | NP_002996  |
| 200049_at   | 0.030017 | -                                   | MM_002002 | ,            | 146_002990 |
|             |          | sapiens selectin P (granule         | ł         |              | .}         |
| •           | 1 .      | membrane protein 140kD,             | 1 .       |              | l          |
|             |          | antigen CD62) (SELP), mRNA.         | 1         |              | }          |
|             |          | /FEA=mRNA /GEN=SELP                 | }         | }            | 1          |
|             |          | /PROD=selectin P precursor          | İ         | İ            | · .        |
|             |          | /DB_XREF=gi:6031196                 | }         |              |            |
|             | }        | /UG=Hs.73800 selectin P             |           | -            |            |
|             | İ        | (granule membrane protein           | 1         |              | İ          |
|             |          | 140kD, antigen CD62)                | 1         | 1            | }          |
|             |          |                                     | 1         | 1            |            |
|             | l ·      | /FL=gb:M25322.1                     |           |              | i          |

|             |          | ng to Figure 19 - Coronary Art ry |              | Union     | D-7         |
|-------------|----------|-----------------------------------|--------------|-----------|-------------|
| Gene        | p-value  | Description                       | Gene         | Unigene   | Protein     |
| ldentifi r  |          | . *                               | Accession    | Accession | Accession   |
|             |          | • •                               | No.          | No.       | No.         |
| 206050 s_at | 0.046749 | gb:NM_002939.1 /DEF=Homo          | NM 002939    |           | NP_002930   |
| J = = :     |          | sapiens ribonucleaseangiogenin    |              |           |             |
| •           |          | inhibitor (RNH), mRNA.            | *            | 1         |             |
|             |          | /FEA=mRNA /GEN=RNH                |              |           |             |
|             |          |                                   |              | *         | ł           |
|             | 1        | /PROD=ribonucleaseangiogenin      | ł            | · ·       | · .         |
| -8-         |          | inhibitor /DB_XREF=gi:4506564     |              | ,         | ì           |
|             |          | /UG=Hs.75108                      |              | <u> </u>  | 1.          |
|             |          | ribonucleaseangiogenin inhibitor  | 1 .          | 1         | 1           |
| •           |          | /FL=gb:M36717.1                   |              |           | 1 :         |
| + * * .     | 1        | gb:NM 002939.1-                   |              |           |             |
| 206110 at   | 0.048741 | gb:NM_003536.1 /DEF=Homo          | NM 003536    |           | NP 003527   |
|             | -        | sapiens H3 histone family,        | , , , ,      |           |             |
|             | 1 .      | member K (H3FK), mRNA             |              |           |             |
|             |          | /FEA=mRNA /GEN=H3FK               |              |           |             |
|             |          |                                   | ) · · ;      | . *       |             |
| . '         |          | /PROD=H3 histone family,          | 1            |           |             |
|             | } .      | member K                          | <u>}</u>     |           | ".          |
| 1. 1. 1.    | 1        | /DB_XREF=gi:4504294               | } .          |           | 1.          |
|             |          | /UG=Hs.70937 H3 histone           |              |           |             |
| . Ye        |          | family, member K                  |              |           | 1.          |
|             |          | /FL=gb:NM_003536.1                | F            |           | * 7         |
| 206113_s_a  | 0.034721 | gb:NM 004162.1 /DEF=Homo          | NM 004162    |           | NP 004153   |
|             | .   5.00 | sapiens RAB5A, member RAS         |              |           | T           |
| - 10        | 1.       | loncogene family (RAB5A),         |              |           |             |
|             |          |                                   | 1            |           |             |
| -()         |          | mRNA /FEA=mRNA                    | * **         | 1         | 1           |
|             |          | /GEN=RAB5A /PROD=RAB5A,           | *            |           | 1           |
|             |          | member RAS oncogene family        | ľ            | : .       |             |
|             |          | /DB_XREF=gi:4759003               |              | 1         | ,           |
|             | · · ·    | /UG=Hs.73957 RAB5A, member        | ·            |           |             |
| ( - '       |          | RAS oncogene family               | ľ            |           |             |
| 1           | 1        | /FL=gb:NM_004162.1                |              |           |             |
| `           |          | gb:M28215.1                       |              | 1         | *           |
| 206118 at   | 0.018444 | gb:NM_003151.1 /DEF=Homo          | NM_003151    |           | NP 003142   |
| 200110_at   | 0.07044  | sapiens signal transducer and     | 141112000101 |           | 141 _000142 |
|             | 1        |                                   |              |           |             |
|             | ]        | activator of transcription 4      | *            | • 00      |             |
| 1           | }        | (STAT4), mRNA /FEA=mRNA           | <b>,</b> .   | •         |             |
| <b>]</b> .  | 1        | /GEN=STAT4 /PROD=signal           | ,            | 1 8 1     |             |
| 1           | ]        | transducer and activator of       |              | *         |             |
|             | 1 .      | transcription4                    |              |           |             |
| 00          |          | /DB_XREF=gi:4507254               |              |           |             |
| 0           | 1        | /UG=Hs.80642 signal transducer    |              |           | 1           |
| -           | 1.       | and activator of transcription 4  |              |           |             |
| 1           | -        |                                   | 1            | *         | 1           |
| . 1         | 1        | /FL=gb:L78440.1                   |              | -}        |             |
| - S-S       |          | gb:NM_003151.1                    | <u></u>      | <u> </u>  |             |

|                                       |          | ng to Figure 19 - Coronary Artery I            |              |              |                |
|---------------------------------------|----------|--|--------------|--------------|----------------|
| Gene                                  | p-value  | Description                                    | Gene         | Unigene      | Protein        |
| ldentifier                            |          | ***  | Accession    | Accession    | Accession      |
|                                       |          |  | No.          | No.          | No.            |
| 206132_at                             | 0.042466 | gb:NM 002387:1 /DEF=Homo                       | NM_002387    |              | NP_002378      |
| · · · · · · · · · · · · · · · · · · · |          | sapiens mutated in colorectal                  |              | - )          |                |
| •                                     | ٠,       | cancers (MCC), mRNA.                           |              |              |                |
|                                       |          | /FEA=mRNA /GEN=MCC                             |              | 1            |                |
|                                       |          | /PROD=mutated in colorectal                    |              | 4            |                |
| . *                                   |          | cancers /DB_XREF=gi:4505128                    |              | 4            |                |
|                                       |          | /UG=Hs.1345 mutated in                         | ļ ·          |              |                |
|                                       | ]        | colorectal cancers                             | ). ·         |              | } <sub>c</sub> |
|                                       |          | /FL=gb:M62397.1                                |              | ·            | ľ              |
|                                       |          | gb:NM_002387.1                                 | }            |              |                |
| 206167_s_at                           | 0.03018  | gb:NM_001174.2 /DEF=Homo                       | NM 001174    |              | NP 038286      |
|                                       |          | sapiens Rho GTPase activating                  |              |              |                |
| 197                                   | 100      | protein 6 (ARHGAP6), transcript                | )            | -            |                |
| ,                                     |          | variant 2, mRNA. /FEA=mRNA                     | ·            |              |                |
|                                       | . )      | /GEN=ARHGAP6 /PROD=Rho                         |              |              |                |
|                                       | . '      | GTPase activating protein 6                    |              | 1.           |                |
|                                       |          | isoform 2 /DB_XREF=gi:7382476                  |              | ×2           | ÷              |
|                                       | 1.5      | /UG=Hs.250830 Rho GTPase                       |              | * .          | ł              |
|                                       |          | activating protein 6                           | •            | 1            |                |
|                                       | 8        | /FL=gb:AF022212.2                              |              | [            | 1              |
|                                       | }        | gb:NM_001174.2                                 |              | .,           |                |
|                                       |          | gb.14M_001174.2                                |              |              |                |
| 206194 at                             | 0.034721 | homeo box C4                                   | AW299598     | Hs.50895     | NP 705897      |
| 206235 at                             |          | gb.NM_002312.1 /DEF=Homo                       | NM_002312    | 110.0000     | NP 002303      |
| 200200_ut                             | 0.010222 | sapiens ligase IV, DNA, ATP-                   | 002012       |              |                |
|                                       | ľ        | dependent (LIG4), mRNA.                        | 1            | <b>.</b>     | ľ .            |
|                                       |          | /FEA=mRNA /GEN=LIG4                            | ,            | /            | :              |
|                                       |          | //PROD=DNA ligase IV                           |              |              | 9              |
|                                       | , ,      | //DB XREF=gi:4504996                           | }            |              |                |
|                                       |          | //UG=Hs.166091 ligase IV, DNA,                 |              |              |                |
|                                       |          | ATP-dependent                                  |              |              | * .            |
|                                       |          | 1  |              |              | }              |
| 206267 0 04                           | 0.027702 | /FL=gb:NM_002312.1<br>gb:NM_002378.1_/DEF=Homo | NM 002378    | <del> </del> | NP 647612      |
| 200267_s_at                           | 0.021192 | 10 _   | 14141_002376 |              | INP_04/012     |
| ٠                                     |          | sapiens megakaryocyte-                         |              |              |                |
|                                       |          | associated tyrosine kinase                     |              |              |                |
| *                                     |          | (MATK), mRNA. /FEA=mRNA                        | 10.          | 9.           | •}             |
|                                       |          | //GEN=MATK                                     |              |              | -              |
|                                       |          | /PROD=megakaryocyte-                           | -            | 1            |                |
|                                       | . ,      | associated tyrosine kinase                     |              |              |                |
|                                       | * 1      | /DB_XREF=gi:4505108                            |              |              |                |
| I                                     |          | /UG=Hs 274 megakaryocyte-                      |              |              | }              |
| ł                                     |          | associated tyrosine kinase                     | 1            |              | l              |
|                                       | 8        |  |              | - 3-5        | 1              |
|                                       | i.       | /FL=gb:BC000114.1                              |              |              |                |
|                                       |          |  |              |              |                |

|                    | rresponair | ng to Figure 19 - Coronary Artery I |                   |                         |                      |
|--------------------|------------|-------------------------------------|-------------------|-------------------------|----------------------|
| Gene<br>Identifier | p-value    | Description                         | G ne<br>Accession | Unigene<br>Accession    | Protein<br>Accession |
|                    |            |                                     | No.               | No.                     | No.                  |
| 206296 x at        | 0.022752   | gb:NM 007181.1 /DEF=Homo            | NM 007181         |                         | NP 009112            |
|                    | 7.02       | sapiens mitogen-activated protein   |                   |                         |                      |
|                    |            | kinase kinase kinase kinase 1       |                   |                         | o(: :                |
|                    |            | (MAP4K1), mRNA. /FEA=mRNA           |                   |                         |                      |
| •                  | *. ·       | /GEN=MAP4K1 /PROD=mitogen-          |                   |                         |                      |
| . *                |            | activated protein kinase kinase     |                   | Ì                       |                      |
| •                  |            |                                     | -1                | •                       |                      |
| •                  |            | kinasekinase 1                      |                   |                         |                      |
|                    |            | /DB_XREF=gi:6005809                 |                   |                         | ·                    |
|                    |            | /UG=Hs.86575 mitogen-activated      |                   |                         | 1                    |
|                    |            | protein kinase kinase               |                   |                         |                      |
|                    |            | kinase 1 /FL=gb:U66464.1            |                   |                         |                      |
|                    | 1          | gb:NM_007181.1                      | σ.                |                         |                      |
|                    | 1          |                                     | · .               | 1.                      |                      |
|                    |            |                                     |                   |                         |                      |
| 206323_x_at        | 0.034721   | gb:NM_002547.1 /DEF=Homo            | NM_002547         |                         | NP_002538            |
| -,-                |            | sapiens oligophrenin 1 (OPHN1),     |                   | *                       |                      |
|                    |            | mRNA. /FEA=mRNA                     |                   |                         | 0.0                  |
|                    |            | /GEN=OPHN1                          |                   |                         |                      |
|                    |            | /PROD=oligophrenin 1, Rho-          |                   |                         |                      |
|                    | 2 0        | GTPase acivating protein            | *                 |                         |                      |
|                    | 1          | /DB_XREF=gi:4505506                 |                   |                         |                      |
|                    |            | /UG=Hs.128824 oligophrenin 1        | ·                 | (a).                    |                      |
|                    |            | //FL=gb:NM_002547.1                 |                   | ŕ                       | ,                    |
| 206390_x at        | 0.046740   | gb:NM_002619.1 /DEF=Homo            | NM_002619         | ** ** ** ** ** ** ** ** | NP_002610            |
| 200390_x_at        | 0.040749   |                                     | 14101_002019      | •                       | NF_002010            |
| •                  |            | sapiens platelet factor 4 (PF4),    |                   |                         |                      |
|                    |            | mRNA. /FEA=mRNA /GEN=PF4            |                   | : *                     |                      |
|                    | · ·        | /PROD=platelet factor 4             | 1 1               |                         |                      |
|                    |            | /DB_XREF=gi:4505732                 |                   | · .                     |                      |
|                    |            | /UG=Hs.81564 platelet factor 4      |                   | · · · .                 |                      |
| •                  |            | /FL=gb:M25897.1                     |                   | *                       |                      |
|                    | <u> </u>   | gb:NM_002619.1                      |                   |                         |                      |
| 206398_s_at        | 0.045316   | gb:NM_001770.1 /DEF=Homo            | NM_001770         |                         | NP_001761            |
|                    |            | sapiens CD19 antigen (CD19),        |                   |                         | **                   |
|                    |            | mRNA. /FEA=mRNA                     |                   |                         |                      |
|                    | 1          | /GEN=CD19 /PROD=CD19                |                   | · ·                     | *                    |
| .,                 |            | antigen /DB_XREF=gi:10835052        |                   | 1                       |                      |
| - ,                |            | /UG=Hs.96023 CD19 antigen           |                   | 1,0                     |                      |
|                    |            | /FL=gb:NM_001770.1                  |                   |                         | , , ,                |
| 0-0.0 2-           |            | gb:M21097.1 gb:M28170.1             | *                 |                         | * *                  |
| 206471_s at        | 0.018222   | gb:NM 005761.1 /DEF=Homo            | NM 005761         |                         | NP_005752            |
| at                 | 1          | sapiens plexin C1 (PLXNC1),         |                   | }                       |                      |
|                    | 1          | mRNA. /FEA=mRNA                     |                   |                         |                      |
|                    | 1          | /GEN=PLXNC1 /PROD=plexin            | *                 | ľ                       | 1.                   |
|                    |            | •                                   |                   |                         |                      |
|                    |            | C1 /DB_XREF=gi:5032222              |                   | -y- +                   | **                   |
|                    |            | /UG=Hs.286229 plexin C1             | 1                 |                         | 140                  |
|                    | 1          | /FL=gb:AF030339.1                   | -                 |                         |                      |
|                    | 1          | gb:NM_005761.1                      |                   |                         | 1 .                  |

| Gene               | p-value    | Description  | Gene      | Unigene   | Protein   |
|--------------------|------------|--|-----------|-----------|-----------|
| Identifier         | p-value    | Description  |           |           |           |
| identifier         |            | *  | Accession | Acc ssion | Accession |
|                    | 0.00.170.1 | l de la companya de l | No.       | No.       | No.       |
| 206478_at          | 0.034721   | gb:NM_014792.1 /DEF=Homo   | NM_014792 |           | NP_055607 |
|                    |            | sapiens KIAA0125 gene product  |           |           |           |
|                    | *          | (KIAA0125), mRNA /FEA=mRNA   |           |           |           |
|                    |            | /GEN=KIAA0125  | •         | -         |           |
| •                  |            | /PROD=KIAA0125 gene product  |           |           |           |
|                    |            | /DB_XREF=gi:7661923  |           |           |           |
|                    | 9 1        | /UG=Hs.38365 KIAA0125 gene   | ° °, . '  |           |           |
| *                  |            | product /FL=gb:D50915.1  |           |           | 3         |
|                    |            | gb:NM_014792.1   |           | -         | 7.        |
| 206492_at          | 0.034721   | gb:NM_002012.1 /DEF=Homo   | NM_002012 | *         | NP_002003 |
|                    | 1          | sapiens fragile histidine triad  |           |           |           |
|                    |            | gene (FHIT), mRNA.   |           |           | •         |
|                    |            | /FEA=mRNA /GEN=FHIT  | - 00      |           |           |
|                    |            | /PROD=fragile histidine triad  | . 3       |           | *         |
|                    | *          | gene /DB_XREF=gi:4503718   |           | *         |           |
| 0.                 | *          | /UG=Hs.77252 fragile histidine   | r 5       |           |           |
|                    |            | triad gene /FL=gb:U46922.1   |           |           |           |
|                    |            | gb:NM_002012.1   |           |           |           |
| 206493_at          | 0.034721   | gb:NM_000419.2 /DEF=Homo   | NM_000419 |           | NP 000410 |
|                    |            | sapiens integrin, alpha 2b   |           |           | _         |
| •                  |            | (platelet glycoprotein IIb of IIbIIIa  | *<br>D.   |           |           |
|                    |            | complex, antigen CD41B)  |           |           |           |
|                    |            | (ITGA2B), mRNA /FEA=mRNA   | *         |           |           |
|                    | 1          | /GEN=ITGA2B /PROD=integrin   | <u> </u>  | · "       | * **      |
|                    |            | alpha 2b precursor   |           | l .       |           |
| (i)                |            | /DB_XREF=gi:6006009  |           | <b> </b>  |           |
|                    |            | /UG=Hs.785 integrin, alpha 2b  |           |           | 4.        |
|                    |            | (platelet glycoprotein IIb of IIbIIIa  |           |           |           |
|                    |            | complex, antigen CD41B)  |           |           |           |
| 1 8                |            | /FL=gb:M34480.1 gb:J02764.1  | . 7       | 1         |           |
|                    |            | gb:NM_000419.2   |           |           |           |
| 206507_at          | 0.035763   | gb:NM_014724.1 /DEF=Homo   | NM_014724 | <u> </u>  | NP_055539 |
| · <del>_ • •</del> |            | sapiens KIAA0426 gene product  |           |           |           |
|                    |            | (KIAA0426), mRNA. /FEA=mRNA  |           |           |           |
|                    |            | /GEN=KIAA0426  | -         |           |           |
|                    |            | /PROD=KIAA0426 gene product  |           |           | * .       |
|                    |            | /DB XREF=gi:7662109  | -)(-      |           |           |
|                    |            | /UG=Hs.97476 KIAA0426 gene   |           |           |           |
|                    | -          | product /FL=gb:AB007886.1  |           |           |           |
|                    |            | gb:NM 014724.1   | · ·       | ÷         | · ·       |

| Gene        | p-value                               | ng to Figur 19 - Córonary Artery l<br>Description | Gene       | Unigene  | Protein   |
|-------------|---------------------------------------|---|------------|--|-----------|
| Identifier  | · · · · · · · · · · · · · · · · · · · |   | Accession  | Accession  | Accession |
| delidijei   | •                                     | * 2   | No         | No.  | No.       |
| 206562 s at | 0.018023                              | gb:NM 001892.1 /DEF=Homo                          | NM_001892  | 110.   | NP 001883 |
| 200002_3_d  | 0.010020                              | sapiens casein kinase 1, alpha                    | 59.592     |  | 99 1991   |
|             |                                       | 1 (CSNK1A1), mRNA.                                | •          | 0 1  |           |
|             | ł                                     | /FEA=mRNA /GEN=CSNK1A1                            | }          |  | -)(-)     |
|             |                                       | /PROD=casein kinase 1, alpha 1                    | , ,        |  |           |
|             | Ĭ                                     | /DB_XREF=gi:4503088                               | -8-        |  | *         |
|             |                                       | //UG=Hs.283738 casein kinase 1,                   |            | }  |           |
| •           |                                       |   | . g. 76    |  | į         |
|             | ł i                                   | alpha 1 /FL=gb:NM_001892.1                        | 8          |  | 1         |
|             | , ;                                   | gb:L37042.1                                       |            | ÷ .  |           |
| 000505      | 0.040000                              | NA 000700 4 (DEE                                  | NIM 000700 | ļ  | ND COOTE  |
| 206565_x_at | 0.018023                              | gb:NM_006780.1 /DEF=Homo                          | NM_006780  |  | NP_00677  |
|             |                                       | sapiens SMA3 (SMA3), mRNA.                        |            |  |           |
|             | .8-,                                  | /FEA=mRNA /GEN=SMA3                               |            |  |           |
|             |                                       | /PROD=SMA3  | *          |  |           |
|             |                                       | /DB_XREF=gi:5803174                               |            |  |           |
|             |                                       | /UG=Hs.289061 SMA3                                | ·          |  |           |
|             |                                       | /FL=gb:NM_006780.1                                |            |  |           |
| 206567_s_at | 0.036254                              | gb:NM_016436.1 /DEF=Homo                          | NM_016436  |  | NP_057520 |
|             |                                       | sapiens hepatocellular carcinoma                  | -          |  |           |
|             |                                       | associated antigen 58                             |            |  |           |
| ,           |                                       | (LOC51230), mRNA.                                 |            |  |           |
| ·           | Ė                                     | /FEA=mRNA /GEN=LOC51230                           | , .        | ,  |           |
| · ·         | Ì                                     | /PROD=hepatocellular carcinoma-                   |            |  |           |
|             | }                                     | associated antigen 58                             |            | ļ  |           |
|             |                                       | /DB_XREF=gi:7705990                               | -          |  |           |
|             | ŀ                                     | /UG=Hs.301055 hepatocellular                      |            | ļ  | 1         |
|             |                                       | carcinoma-associated antigen 58                   |            |  | Ì         |
| •           | İ                                     | /FL=gb:AF220416.1                                 |            |  | í         |
| h thair an  | 1                                     | gb:NM_016436.1                                    |            |  | 1         |
| 206655 s at | 0.026842                              | gb:NM 000407.3 /DEF=Homo                          | NM_000407  | <del>                                     </del> | NP 00039  |
| 200005_3_at | 0.020042                              | sapiens glycoprotein lb (platelet),               |            | -  |           |
|             | ŀ                                     | beta polypeptide (GP1BB),                         |            |  | 1         |
|             |                                       |   |            | 1  |           |
|             |                                       | mRNA. /FEA=mRNA<br>/GEN=GP1BB                     | 0.0        |  |           |
|             | !                                     |   |            |  |           |
|             | 3.8                                   | /PROD=glycoprotein lb beta                        | {          |  | 1         |
|             |                                       | polypeptide precursor                             | ı          |  | 1         |
|             |                                       | /DB_XREF=gi:9945387                               |            |  |           |
|             |                                       | /UG=Hs.283743 glycoprotein Ib                     | ,          | j.   |           |
|             |                                       | (platelet), beta polypeptide                      |            | ľ  | 1         |
| l           |                                       | /FL=gb:J03259.1                                   | }          | -  | {·        |
|             | 1                                     | gb:NM_000407.3                                    | 1          |  |           |

|             |          | ng to Figure 19 - Coronary Artery |           |           | 5.4       |
|-------------|----------|-----------------------------------|-----------|-----------|-----------|
| G ne        | p-value  | Description                       | Gene      | Unigene   | Protein   |
| ldentifier  |          | ·                                 | Accession | Accession | Accession |
|             |          |                                   | No.       | No.       | No.       |
| 206666_at   | 0.018444 | gb:NM 002104.1 /DEF=Homo          | NM_002104 |           | NP_002095 |
|             |          | sapiens granzyme K (serine        | 7         |           |           |
|             |          | protease, granzyme 3; tryptase    |           | ·         |           |
|             |          | II) (GZMK), mRNA. /FEA=mRNA       |           |           |           |
|             | -00      | /GEN=GZMK /PROD=granzyme          | (4)       |           | e ve      |
| •           |          | K precursor                       |           |           |           |
|             |          | /DB XREF=gi:4504234               |           |           |           |
|             | -        | , – , –                           |           |           | ł         |
|             |          | /UG=Hs.3066 granzyme K            |           |           |           |
| •           |          | (serine protease, granzyme 3;     |           |           | ÷         |
|             |          | tryptase II) /FL=gb:U35237.1      |           |           |           |
|             |          | gb:NM_002104.1 gb:U26174.1        |           |           |           |
| 206693_at   | 0.033533 | gb:NM_000880.1 /DEF=Homo          | 088000_MM |           | NP_000871 |
|             | -00      | sapiens interleukin 7 (IL7),      |           | -         | ł         |
| •           |          | mRNA. /FEA=mRNA /GEN=IL7          |           | ¥.        |           |
|             | 4        | /PROD=interleukin 7               | 20        | = "       |           |
|             |          | /DB_XREF=gi:4504676               |           |           |           |
|             |          | /UG=Hs.72927 interleukin 7        |           |           | . *       |
|             |          | /FL=gb:J04156.1                   | 0.        |           |           |
| *           |          | gb:NM 000880.1                    |           |           | T         |
| 206700_s_at | 0.019657 | gb:NM_004653.1 /DEF=Homo          | NM 004653 |           | NP 004644 |
|             | 0.010097 | sapiens SMC (mouse) homolog,      |           |           |           |
|             |          | Y chromosome (SMCY), mRNA.        |           | *         |           |
| -           |          | /FEA=mRNA /GEN=SMCY               |           |           |           |
|             |          |                                   |           |           |           |
|             | 1        | /PROD=SMC (mouse) homolog;        |           | * •       |           |
|             |          | Y chromosome                      |           |           |           |
|             | *        | /DB_XREF=gi:4759149               | 1         | 1         |           |
|             | 1        | /UG≈Hs.80358 SMC (mouse)          | c         |           |           |
|             | 1        | homolog, Y chromosome             |           |           |           |
|             |          | /FL=gb:U52191.1                   | ;         |           |           |
| • '         | [.       | gb:NM_004653.1                    |           |           | 1         |
|             |          |                                   |           |           |           |
| 206770_s_at | 0.034721 | gb:NM_012243.1 /DEF=Homo          | NM_012243 |           | NP_03637  |
|             | ٠.       | sapiens solute carrier family 35  |           | Ì         | _         |
|             |          | (UDP-N-acetylglucosamine (UDP-    |           |           |           |
|             |          | GlcNAc) transporter), member 3    |           |           | 1         |
|             | *        | (SLC35A3), mRNA. /FEA=mRNA        |           |           | ,         |
|             |          | /GEN=SLC35A3 /PROD=solute         |           | ii.       |           |
|             | (37      | carrier family 35(UDP-N-          |           |           |           |
| ,           | •        | acetylglucosamine (UDP-GlcNAc)    |           |           |           |
|             |          |                                   |           |           |           |
|             | ]        | transporter), member3             |           | ]         |           |
|             |          | //DB_XREF=gi:6912667              |           |           |           |
|             |          | /UG=Hs.159322 solute carrier      |           |           |           |
|             |          | family 35 (UDP-N-                 |           |           | 1         |
|             |          | acetylglucosamine (UDP-GlcNAc)    |           |           | 1         |
| 1           | 3        | transporter), member 3            | 8         | 1         |           |
|             |          | /FL=gb:AB021981.1                 | ] .       |           | 1         |
|             |          | gb:NM_012243.1                    | 1         | 1.        |           |
|             |          | 1                                 |           |           | 1         |

| Gene        | p-value  | ng to Figure 19 - Coronary Artery I<br>Description | Gen            | Unigene    | Protein   |
|-------------|----------|--|----------------|------------|-----------|
|             | p-value  | Description  | ,              |            |           |
| Identifier  |          |  | Acc ssion      | Accession  | Accession |
|             |          |  | No.            | No.        | No.       |
| 206782_s_at | 0.036254 | gb:NM_005528.1 /DEF=Homo                           | NM_005528      | 140        | NP_005519 |
|             |          | sapiens heat shock 40kD                            |                | *          |           |
|             | .,       | protein 2 (HSPF2), mRNA.                           |                |            | • • •     |
|             | * *      | /FEA=mRNA /GEN=HSPF2                               | )              |            |           |
|             |          | /PROD=heat shock 40kD protein                      |                |            | · ·       |
|             |          | 2 /DB XREF=gi:5031770                              |                |            | -         |
|             | •        | /UG=Hs.172847 DnaJ (Hsp40)                         |                | ١          |           |
| -           |          | homolog, subfamily C, member                       |                |            |           |
|             |          | 4 /FL=gb:AF012106.1                                |                | 100        |           |
| ė           |          | gb:NM 005528.1                                     |                |            |           |
|             | · , =    | gb./4W_000020.1                                    |                | $I_{\tau}$ |           |
| 206914_at.  | 0.028803 | gb:NM 019604.1 /DEF=Homo                           | NM 019604      |            | NP 062550 |
| 200314_at   | 0.02000  | sapiens class-I MHC-restricted T                   | 14141_0 1,0004 |            | _002000   |
|             | *        | cell associated molecule                           |                | * *        |           |
| 100 8 1     | 1.       | (CRTAM), mRNA. /FEA=mRNA                           |                |            |           |
| 1.0         | . *      | 1.5  |                |            | *         |
|             |          | /GEN=CRTAM /PROD=class-I                           | * -8-          |            |           |
|             |          | MHC-restricted T cell                              |                | 0          | 3.7       |
| *           |          | associatedmolecule                                 | *              |            |           |
|             | 00-      | /DB_XREF=gi:9624976                                |                |            |           |
| ٠           |          | /UG=Hs.159523 class-I MHC-                         |                |            |           |
| * .         |          | restricted T cell associated                       | 3              |            |           |
|             |          | molecule /FL=gb:AF001622.1                         |                |            |           |
|             |          | gb:NM_019604.1                                     |                |            | •         |
| 206958_s_at | 0.034721 | gb:AF318575.1 /DEF=Homo                            | AF318575       |            | NP_542418 |
|             | S 4      | sapiens UPF3 (UPF3) mRNA,                          |                |            |           |
|             |          | complete cds. /FEA=mRNA                            |                | *          |           |
|             | *        | /GEN=UPF3 /PROD=UPF3                               |                | i e        |           |
|             |          | /DB_XREF=gi:12620405                               |                | ·          |           |
|             | ·        | /UG=Hs.274412 similar to yeast                     |                |            | 1 .       |
|             |          | Upf3, variant A                                    |                |            |           |
|             |          | /FL=gb:AY013250.1                                  | 4              | -          |           |
|             | •        | gb:AF318575.1 gb:NM_023011.1                       |                |            | 4         |
| 206965_at   | 0.045316 | gb:NM_016285.1 /DEF=Homo                           | NM_016285      |            | NP_057369 |
|             |          | sapiens AP-2rep transcription                      | 0,0200         |            |           |
|             |          | factor (LOC51717), mRNA.                           |                |            |           |
|             |          | /FEA=mRNA /GEN=LOC51717                            |                |            |           |
|             |          | /PROD=AP-2rep transcription                        |                |            | 1         |
|             | 2        | factor /DB_XREF=gi:7706476                         |                | '          | * `       |
| 0.          | · .      | ,  | •              | ,          |           |
|             |          | /UG=Hs.278998 AP-2rep                              |                |            |           |
|             |          | transcription factor                               |                | 4.4        |           |
|             |          | /FL=gb:AF113122.1                                  |                |            | -         |
|             |          | gb:AF161471.1 gb:NM_016285.1                       |                | <u> </u>   |           |

| Gene                                  | p-value  | ng to Figure 19 - Coronary Artery ID scription | Gene                                    | Unigene     | Protein   |
|---------------------------------------|----------|--|---|-------------|-----------|
| Identifier                            | 0 2      | *  | Accession                               | Accession   | Accession |
| ,                                     |          | *  | No.                                     | No          | No.       |
| 207108 s at                           | 0.046749 | gb:NM 015384.1 /DEF=Homo                       | NM 015384                               | 110.        | NP 597677 |
| 207 100_0_0                           | 0.010710 | sapiens IDN3 protein (IDN3),                   | 0 ,000 ,                                |             | -00,000   |
|                                       |          | mRNA. /FEA=mRNA /GEN=IDN3                      |   | 1           |           |
|                                       |          | /PROD=IDN3 protein                             |   |             |           |
|                                       |          | /DB_XREF=gi:7661841                            |   |             | •         |
|                                       |          | /UG=Hs.225767 IDN3 protein                     | , ,                                     |             | ,         |
|                                       |          | /FL=gb:AB019602:1                              |   |             |           |
|                                       |          | gb:NM 015384.1                                 | * |             |           |
| 207186_s_at                           | 0.018023 | gb:NM 004459.2 /DEF=Homo                       | NM 004459                               |             | NP 004450 |
| 20, .00_0_0                           | 0.0.020  | sapiens fetal Alzheimer antigen                | 00                                      |             |           |
| •                                     |          | (FALZ), mRNA. /FEA=mRNA                        | · ·                                     |             | ()        |
| Ţ.,                                   | *        | /GEN=FALZ /PROD=fetal                          |   |             | -         |
|                                       |          | Alzheimer antigen                              |   |             |           |
| · ·                                   |          | /DB_XREF=gi:6552329                            | ,                                       |             | · .       |
|                                       |          | /UG=Hs.99872 fetal Alzheimer                   |   |             |           |
|                                       |          | antigen /FL=gb:U05237.1                        |   |             | . F. ,    |
|                                       |          | gb:NM_004459.2                                 |   | *           |           |
| 207234_at                             | 0.035763 | gb:NM 002919.1 /DEF=Homo                       | NM 002919                               |             | NP 602304 |
| · -                                   |          | sapiens regulatory factor X, 3                 |   |             | _         |
|                                       |          | (influences HLA class II                       | -                                       |             |           |
| * * *                                 |          | expression) (RFX3), mRNA.                      |   |             |           |
|                                       |          | /FEA=mRNA /GEN=RFX3                            |   |             |           |
|                                       |          | /PROD=regulatory factor X, 3                   |   | - 7         |           |
|                                       |          | (influences HLA class                          |   | ļ           |           |
|                                       | ļ        | llexpression)                                  | ÷-                                      |             |           |
| . 3                                   |          | /DB_XREF=gi:4506494                            |   |             | 121       |
| = .                                   |          | /UG=Hs.166019 regulatory factor                |   |             |           |
|                                       |          | X, 3 (influences HLA class II                  |   |             | ļ ·       |
|                                       | ·        | expression) /FL=gb:NM_002919.1                 | l (                                     |             |           |
| 0.00                                  |          | *  |   |             |           |
| 207351_s_at                           | 0.040064 | gb:NM_003975.1 /DEF=Homo                       | NM_003975                               |             | NP_003966 |
|                                       |          | sapiens SH2 domain protein 2A                  | ľ .                                     |             | ď         |
| * .a                                  | -        | (SH2D2A), mRNA. /FEA=mRNA                      |   | *           |           |
| · · · · · · · · · · · · · · · · · · · |          | /GEN=SH2D2A /PROD=SH2                          |   |             |           |
|                                       |          | domain protein 2A                              |   |             | -50-      |
| ,                                     |          | /DB_XREF=gi:4503632                            |   |             |           |
|                                       |          | /UG=Hs.103527 SH2 domain                       | .:                                      |             |           |
|                                       |          | protein 2A /FL=gb:NM_003975.1                  |   | 1           |           |
|                                       |          | gb:AF097744.1                                  | .0.                                     | <b> </b>  - | 1         |
| · ·                                   |          |  |   | 1           | 1         |

| Gn          | p-value  | Description                         | Gen       | Unigene    | Protein                               |
|-------------|----------|-------------------------------------|-----------|------------|---------------------------------------|
| Identifier  |          |                                     | Accession | Accession  | Accession                             |
|             |          |                                     | No.       | No.        | No.                                   |
| 207389_at   | 0.026013 | gb:NM_000173.1 /DEF=Homo            | NM_000173 |            | NP_000164                             |
|             |          | sapiens glycoprotein lb (platelet), | * '       |            | ·                                     |
|             |          | alpha polypeptide (GP1BA),          |           | 1          |                                       |
|             | a        | mRNA. /FEA=mRNA                     |           | 1          | - 0                                   |
| a • •       | ,.       | /GEN=GP1BA /PROD=platelet           | -         |            | •                                     |
|             |          | glycoprotein lb alpha               |           |            |                                       |
|             |          | polypeptideprecursor                |           |            |                                       |
| 1           |          | /DB_XREF=gi:4504070                 |           |            |                                       |
|             |          | /UG=Hs.1472 glycoprotein Ib         |           | - (        |                                       |
|             | * .      | (platelet), alpha polypeptide       |           |            | · ·                                   |
|             | *        | /FL=gb:J02940.1                     |           |            |                                       |
|             |          | gb:NM_000173.1                      | h-        |            |                                       |
| 207435_s_at | 0.034721 | gb:NM_016333.1 /DEF=Homo            | NM_016333 |            | NP_057417                             |
|             |          | sapiens RNA binding protein; AT     | *         |            |                                       |
|             | ,        | rich element binding factor         | i.        | 180        | ,                                     |
| *           |          | (SRM300), mRNA. /FEA=mRNA           | ·         |            | *                                     |
|             |          | /GEN=SRM300 /PROD=splicing          |           | -          | -                                     |
|             | 000      | coactivator subunit SRm300          |           | <b>}</b> ' | ·                                     |
|             |          | /DB_XREF=gi:7706718                 |           |            |                                       |
|             | <b> </b> | /UG=Hs.197114 RNA binding           |           | 10         |                                       |
|             |          | protein; AT-rich element binding    |           |            |                                       |
|             |          | factor /FL=gb:AF201422.1            |           |            | -                                     |
|             |          | gb:NM_016333.1                      |           | *          |                                       |
|             | -        |                                     | )         |            | · · · · · · · · · · · · · · · · · · · |
|             |          |                                     |           |            |                                       |
| 207446_at   | 0.034721 | gb:NM_006068.1 /DEF=Homo            | NM_006068 |            | NP_006059                             |
|             |          | sapiens toll-like receptor 6        |           |            |                                       |
| •           |          | (TLR6), mRNA. /FEA=mRNA             |           | 400        |                                       |
|             |          | /GEN=TLR6 /PROD=toll-like           |           | } 、        | * • 1                                 |
| -           |          | receptor 6                          | · .       |            | ١.                                    |
|             |          | /DB_XREF=gi:5174720                 |           |            |                                       |
| · .         |          | /UG=Hs.227105 toll-like receptor    |           |            | ,                                     |
|             |          | 6 /FL=gb:AB020807.1                 |           |            |                                       |
|             |          | gb:NM 006068.1                      |           | 1          | 1                                     |

| Gene        | p-value  | ng to Figure 19 - Coronary Artery  <br>Description | Gen          | Unigene   | Prot in   |
|-------------|----------|--|--------------|-----------|-----------|
| Identifier  | 1. THE T |  | Accession    | Accession | Accession |
| iagni,inc;  |          |  | No.          | No.       | No.       |
| 207508_at   | 0.046749 | gb:NM_001689.1 /DEF=Homo                           | NM 001689    | NO.       | NP 001680 |
| 20,000_0    | 0.010170 | sapiens ATP synthase, H+                           | 1111_00 1000 | ,         | -901000   |
|             |          | transporting, mitochondrial F0                     |              | 1         |           |
| * * .       |          | complex, subunit c (subunit 9)                     |              |           | - 4-      |
| ٠.          |          | isoform 3 (ATP5G3), mRNA.                          |              |           |           |
| * .         |          | /FEA=mRNA /GEN=ATP5G3                              | =            |           | 7         |
|             | -        | /PROD=ATP synthase, H+                             |              |           |           |
| *           |          | transporting, mitochondrial                        |              |           |           |
|             | ÷        | F0complex, subunit c (subunit 9)                   | *            |           |           |
|             | · ·      | isoform 3 /DB_XREF=gi:4502300                      | £            |           | *         |
|             |          | /UG=Hs.429 ATP synthase, H+                        |              |           |           |
| ÷,          |          | transporting, mitochondrial F0                     |              |           |           |
| ٠.          |          | complex, subunit c (subunit 9)                     | 7            |           |           |
| •           |          | isoform 3 /FL=gb:U09813.1                          | ł .          |           |           |
|             |          | gb:NM_001689.1                                     |              |           |           |
|             |          | gb.N.M001669.1                                     |              |           |           |
| ÷           |          | * .  |              | , s       |           |
| 207509 s_at | 0.042466 | gb:NM 002288.2 /DEF=Homo                           | NIM OOGGO    |           | ND 06715  |
| 207509_S_at | 0.042466 |  | NM_002288    |           | NP_067154 |
|             | [        | sapiens leukocyte-associated lg-                   | 1.           |           |           |
|             |          | like receptor 2 (LAIR2),                           |              |           |           |
|             |          | transcript variant 1, mRNA.                        |              |           |           |
|             | •        | /FEA=mRNA /GEN=LAIR2                               |              | ,         |           |
| 4.          |          | /PROD=leukocyte-associated Ig-                     | · .          |           |           |
| . *         |          | like receptor 2, isoforma                          | )            |           | 1         |
|             | 1        | /DB_XREF=gi:10947100                               |              | -2-       |           |
|             |          | /UG=Hs.43803 leukocyte-                            |              |           | 1         |
| •           |          | associated Ig-like receptor 2                      |              |           | 1         |
|             |          | /FL=gb:NM_002288.2                                 |              |           |           |
| 207525_s_at | 0.020576 | gb:NM_005716.1 /DEF=Homo                           | NM_005716    |           | NP_005707 |
|             |          | sapiens chromosome 19 open                         | ,            |           |           |
|             |          | reading frame 3 (C19ORF3),                         |              |           |           |
|             | -X       | mRNA. /FEA=mRNA                                    |              | 2.        |           |
| e .         |          | /GEN=C19ORF3 /PROD=GLUT1                           |              | . 00      |           |
|             | ¥1       | C-terminal binding protein                         |              |           |           |
|             |          | /DB_XREF=gi:5031714                                | ,            |           |           |
|             |          | /UG=Hs.6454 chromosome 19                          |              |           |           |
|             | •        | open reading frame 3                               |              |           |           |
|             |          | /FL=gb:AF089816.1                                  |              | *         | :         |
|             |          | gb:NM_005716.1                                     |              |           |           |

|             |                       | ng to Figure 19 - Coronary Artery I              |              |              |               |
|-------------|-----------------------|--|--------------|--------------|---------------|
| Gen         | p-value               | Description                                      | Gene         | Unigene      | Protein       |
| Identifier  |                       | -  | Accession    | Accession    | Accession     |
| :           |                       |  | No           | No.          | No.           |
| 207549_x_at | 0.046749              | gb:NM_002389.1 /DEF=Homo                         | NM_002389    |              | NP_758871     |
|             |                       | sapiens membrane cofactor                        |              |              | _             |
|             |                       | protein (CD46, trophoblast-                      |              |              | 1 0 0 m j     |
|             |                       | lymphocyte cross-reactive                        |              |              | ĺ             |
|             |                       | antigen) (MCP), mRNA.                            | ٠            |              | 1             |
| 0)(0        |                       | /FEA=mRNA /GEN=MCP                               | ٠.           |              |               |
|             |                       | /PROD=membrane cofactor                          | [            | 1.70         | 1             |
|             |                       | protein (CD46,trophoblast-                       |              | ł            | }             |
|             |                       | lymphocyte cross-reactive                        | *            | l            | }             |
|             | '                     | antigen) /DB_XREF=gi:11321566                    |              |              | ,             |
|             | 0                     | /UG=Hs.83532 membrane                            |              |              | 1             |
| l           |                       | cofactor protein (CD46,                          |              |              | ļ             |
|             |                       | trophoblast-lymphocyte cross-                    |              |              |               |
|             |                       | reactive antigen)                                | 1 :          |              | Ì             |
|             |                       | /FL=gb:NM_002389.1                               | ,            |              | ļ.            |
| 207554_x_at | 0.038535              | gb:NM_001060.1 /DEF=Homo                         | NM 001060    | <del> </del> | NP_001051     |
| 20/004_x_at | 0.000000              | sapiens thromboxane A2                           | 14141_001000 | ja           | 141 _00 100 1 |
|             | ł                     | receptor (TBXA2R), mRNA.                         | ł            |              | ł             |
|             | 4                     | /FEA=mRNA /GEN=TBXA2R                            |              |              |               |
|             | *                     | /PROD=thromboxane A2 receptor                    |              | 8            |               |
|             | i                     | I/DB_XREF=gi:4507380                             |              |              |               |
|             |                       | I/UG=Hs.89887 thromboxane A2                     |              |              |               |
|             | }                     | receptor /FL=gb:NM 001060.1                      | 700          | 9            | i.            |
| . *         |                       |  |              |              | <b>[</b>      |
| 207556 s at | 0.040425              | gb:D38081.1 gb:U27325.1 gb:NM 003646.1 /DEF=Homo | NM 003646    | -            | NP 003637     |
| 20/550_s_at | 0.0494 <u>2</u> 5<br> | sapiens diacylglycerol kinase,                   | 14101_003040 |              | INF_003037    |
|             |                       |  |              |              | 1             |
|             |                       | zeta (104kD) (DGKZ), mRNA.                       |              |              | l             |
|             | }                     | /FEA=mRNA /GEN=DGKZ                              |              |              | ,             |
| **          |                       | /PROD=diacylglycerol kinase,                     |              |              |               |
| *           |                       | zeta (104kD)                                     | 1            |              | (2)           |
|             | ł                     | //DB_XREF=gi:4503316                             |              |              |               |
|             |                       | /UG=Hs.89981 diacylglycerol                      |              |              |               |
|             |                       | kinase, zeta (104kD)                             |              |              |               |
|             |                       | /FL=gb:U51477.1                                  |              | •            |               |
| 007054      | 0.004704              | gb:NM_003646.1                                   | 240000       |              | ND 007440     |
| 207651_at   | 0.034721              | 1° =   | NM_013308    |              | NP_037440     |
|             | [                     | sapiens platelet activating                      |              |              | ĺ             |
| ·           |                       | receptor homolog (H963),                         |              | }            |               |
| . 🔻         | 1                     | mRNA. /FEA=mRNA /GEN=H963                        |              |              | 1.            |
|             |                       | /PROD=platelet activating                        |              |              |               |
| 2           | 1                     | receptor homolog                                 |              | 1            |               |
|             | 1                     | /DB_XREF=gi:7019400                              | ,            | 1            | 1             |
|             |                       | /UG=Hs.159545 platelet                           |              | ,            |               |
| •           |                       | activating receptor homolog                      |              |              |               |
| _           | 1                     | /FL=gb:AF002986.1                                |              |              |               |
|             | 1                     | gb:NM_013308.1                                   |              | L            | 1             |

|                    |                   | ng to Figure 19 - Coronary Artery I |                          |                             |                             |
|--------------------|-------------------|-------------------------------------|--------------------------|-----------------------------|-----------------------------|
| Gene<br>Identifier | p-value           | Description                         | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 207665_at          | 0.034721          | gb:NM_003813.1 /DEF=Homo            | NM 003813                | 110.                        | NP 003804                   |
| 201000_01          | 0.001,21          | sapiens a disintegrin and           | (                        |                             |                             |
|                    |                   | metalloproteinase domain 21         |                          |                             | € 9                         |
|                    |                   | (ADAM21), mRNA. /FEA=mRNA           | ,                        |                             |                             |
| e :                |                   | /GEN=ADAM21 /PROD=a                 |                          | :                           |                             |
| ·                  |                   | disintegrin and metalloproteinase   |                          |                             |                             |
|                    |                   | domain 21preproprotein              |                          |                             |                             |
|                    |                   | /DB_XREF=gi:11497039                |                          | 00                          |                             |
|                    |                   | /UG=Hs.178748 a disintegrin and     |                          |                             |                             |
| *                  | }                 | metalloproteinase domain 21         |                          |                             |                             |
|                    |                   | /FL=gb:NM_003813.1                  |                          |                             |                             |
|                    |                   | // L=gb:\\\\_000010:\               |                          |                             | .0.                         |
| 207723_s at        | 0.027220          | gb:NM 002261.1 /DEF=Homo            | NM 002261                |                             | NP 031359                   |
| 201125_5_at-<br>   | 0.021 <u>2</u> 39 | sapiens killer cell lectin-like     | 14141_002201             | 1                           | 100 1009                    |
|                    |                   | receptor subfamily C, member 3      |                          |                             |                             |
|                    |                   | (KLRC3), transcript variant         |                          |                             |                             |
|                    |                   | NKG2-E, mRNA. /FEA=mRNA             | 50                       | 1                           |                             |
|                    | ·                 | 7. ·                                |                          |                             |                             |
| ·-                 |                   | /GEN=KLRC3 /PROD=killer cell        |                          |                             |                             |
| i                  |                   | lectin-like receptor subfamily      |                          | * *                         |                             |
|                    |                   | C,member 3 isoform NKG2-E           |                          | ·                           | J                           |
|                    |                   | /DB_XREF=gi:4504884                 |                          |                             |                             |
|                    |                   | /UG=Hs.258850 killer cell lectin-   | ·.<br>=                  |                             | - 34                        |
| `                  |                   | like receptor subfamily C,          | 1,0                      | ,                           | :                           |
| ļ                  |                   | member 3 /FL=gb:L14542.1            |                          |                             |                             |
|                    | 0 00 170 4        | gb:NM_002261.1                      | 1111 0110                |                             | 115 055704                  |
| 207724_s_at        | 0.034721          | gb:NM_014946.2 /DEF=Homo            | NM_014946                |                             | NP_055761                   |
|                    |                   | sapiens spastic paraplegia 4        |                          |                             |                             |
|                    |                   | (autosomal dominant; spastin)       |                          |                             |                             |
|                    |                   | (SPG4), mRNA. /FEA=mRNA             |                          | *                           |                             |
| 7                  |                   | /GEN=SPG4 /PROD=spastin             |                          |                             |                             |
|                    |                   | /DB_XREF=gi:11875210                |                          |                             |                             |
| 1                  |                   | /UG=Hs.26334 spastic paraplegia     |                          |                             | • • • •                     |
|                    |                   | 4 (autosomal dominant; spastin)     |                          |                             |                             |
|                    |                   | /FL=gb:NM_014946.2                  |                          |                             |                             |
| 11700              |                   |                                     |                          |                             |                             |
| 207734_at          | 0.025284          | gb:NM_017773.1 /DEF=Homo            | NM_017773                |                             | NP_060243                   |
|                    |                   | sapiens hypothetical protein        | 1                        |                             |                             |
|                    | ,                 | FLJ20340 (FLJ20340), mRNA.          | 1                        |                             | ·                           |
|                    |                   | /FEA=mRNA /GEN=FLJ20340             |                          |                             | 1                           |
|                    |                   | /PROD=hypothetical protein          |                          | -                           |                             |
|                    |                   | FLJ20340 /DB_XREF=gi:8923315        | 0.5                      | ,                           | -                           |
| 1                  |                   | /UG=Hs.272794 hypothetical          |                          |                             |                             |
|                    |                   | protein FLJ20340                    |                          |                             |                             |
|                    |                   | /FL=gb:NM_017773.1                  |                          |                             |                             |
|                    |                   |                                     |                          |                             | <u> </u>                    |
|                    | - 25              |                                     |                          |                             |                             |

|             |          | ng to Figure 19 - Coronary Artery |   |           |              |
|-------------|----------|-----------------------------------|---|-----------|--------------|
| G ne        | p-value  | D scription                       | Gene                                    | Unigene   | Protein      |
| Identifier  | -        |                                   | Accession                               | Accession | Accession    |
|             | *        |                                   | No.                                     | No.       | No.          |
| 207760_s at | 0.034721 | gb:NM_006312.1 /DEF=Homo          | NM_006312                               |           | NP 006303    |
|             |          | sapiens nuclear receptor co-      |   |           | _,, _,       |
|             |          | repressor 2 (NCOR2), mRNA.        | • |           | [· · · · · · |
|             |          | /FEA=mRNA /GEN=NCOR2              | Ì                                       |           |              |
|             |          | /PROD=nuclear receptor co-        | [-                                      | 1         |              |
|             |          | repressor 2                       |   | ·         |              |
|             | ĺ. ·     |                                   |   | 0         |              |
| 8 .         |          | /DB_XREF=gi:5454073               |   |           | 99           |
|             |          | /UG=Hs.287994 nuclear receptor    | Ì                                       |           | 1            |
| ·           | ] . (    | co-repressor 2                    | j                                       |           |              |
|             |          | /FL=gb:AF113003.1                 |   | •         |              |
|             | ļ        | gb:NM_006312.1                    |   |           |              |
| 207782_s_at | 0.018444 | gb:NM_007319.1 /DEF=Homo          | NM_007319                               | - 1000 .  | NP_015558    |
|             | }        | sapiens presenilin 1 (Alzheimer   | , ,                                     |           |              |
|             |          | disease 3) (PSEN1), transcript    |   |           |              |
| j           | ]        | variant I-374., mRNA.             |   |           |              |
| -           |          | /FEA=mRNA /GEN=PSEN1              |   | \$ 1.00   |              |
|             | 1        | /PROD=presenilin 1 isoform I-     |   |           |              |
|             |          | 374 /DB_XREF=gi:7549814           |   |           | i e          |
| ] · · ·     | }        | /UG=Hs.3260 presenilin 1          |   | } .       | [            |
|             |          | (Alzheimer disease 3)             |   |           |              |
|             | ) .      | /FL=gb:U40380.1                   | 1                                       |           | }            |
|             |          | gb:NM 007319.1                    |   |           | l i          |
| 207794 at   | 0.026842 |                                   | NM 000648                               |           | NP_000639    |
| 201194_at   | 0.020042 |                                   | 111111_000046                           | :         | MP_000939    |
| ·           | * 1      | sapiens chemokine (C-C motif)     | Į.                                      |           | }            |
|             | •        | receptor 2 (CCR2), mRNA.          |   |           |              |
| * *         |          | /FEA=mRNA /GEN=CCR2               |   |           | Ì            |
| -2          |          | /PROD=chemokine (C-C motif)       |   |           |              |
|             |          | receptor 2                        |   |           |              |
|             |          | /DB_XREF=gi:4757937               |   | -         | -            |
|             |          | /UG=Hs.395 chemokine (C-C         | 1                                       |           |              |
|             | X 100    | motif) receptor 2                 |   |           |              |
|             |          | /FL=gb:U03905.1                   | 1                                       |           |              |
| -           | 31       | gb:NM_000648.1 gb:D29984.1        | XIII                                    | 1         |              |
| 207856_s_at | 0.034721 | gb:NM_017951.1 /DEF=Homo          | NM_017951                               | T         | NP_060421    |
|             |          | sapiens hypothetical protein      |   |           |              |
|             | }        | FLJ20297 (FLJ20297), mRNA.        |   | } ;       | · ·          |
|             |          | /FEA=mRNA /GEN=FLJ20297           | 1                                       |           |              |
|             |          | /PROD=hypothetical protein        | 1.0                                     | . *       | ·            |
| - 10        |          | FLJ20756                          |   |           | 1            |
|             | 1        |                                   |   |           |              |
|             |          | //DB_XREF=gi:13443032             | 4                                       | !         |              |
|             | {        | //UG=Hs.94491 hypothetical        | 1                                       | 1         | ì            |
|             |          | protein FLJ20297                  |   |           | · .          |
| ·           |          | /FL=gb:NM_017951.1                |   |           |              |

|                                       |          | ng to Figur 19 - Coronary Artery I                             |            |  |             |
|---------------------------------------|----------|--|------------|--|-------------|
| Gene                                  | p-value  | Description  | G ne       | Unigene  | Protein     |
| Identifi r                            |          |  | Accession  | Acc ssion  | Accession   |
|                                       |          |  | No.        | No.  | No.         |
| 207892 at                             | 0.023856 | gb:NM 000074.1 /DEF=Homo                                       | NM 000074  |  | NP 000065   |
| 20,002_0.                             | 0.02000  | sapiens tumor necrosis factor                                  |            |  |             |
| · · · · · · · · · · · · · · · · · · · |          | (ligand) superfamily, member 5                                 |            |  | •••         |
| F                                     |          | (hyper-IgM syndrome) (TNFSF5),                                 | •          | ľ  | * **        |
| * .                                   | İ        |  | *          |  |             |
| ·                                     |          | mRNA. /FEA=mRNA  | 100        |  |             |
|                                       |          | /GEN=TNFSF5 /PROD=CD40   | 1          | Ĭ.   | ĺ           |
|                                       |          | antigen ligand   | <i>J</i>   |  |             |
| •                                     | · .      | /DB_XREF=gi:4557432  | ľ,         |  | {           |
|                                       |          | /UG=Hs.652 tumor necrosis                                      |            |  |             |
| *                                     | [        | factor (ligand) superfamily,                                   |            |  |             |
| ·                                     |          | member 5 (hyper-lgM syndrome)                                  |            |  |             |
| •                                     |          | /FL=gb:L07414.1  |            |  |             |
| •                                     |          | gb:NM_000074.1   |            | Y **   |             |
| 207979_s_at                           | 0.019292 | gb:NM_004931.1 /DEF=Homo                                       | NM_004931  | *          | NP_757362   |
| - <del></del>                         |          | sapiens CD8 antigen, beta                                      |            | *  |             |
| .,                                    | * .      | polypeptide 1 (p37) (CD8B1),                                   |            |  |             |
|                                       | *        | mRNA. /FEA=mRNA  |            |  |             |
|                                       | . 0      | /GEN=CD8B1 /PROD=CD8   |            |  |             |
|                                       | -        | antigen, beta polypeptide 1                                    | ,          | 100  |             |
|                                       |          | (p37) /DB_XREF=gi:4826666                                      | 3, 1       | *  |             |
|                                       | }        | 1 · · · · · <del>-</del> · · · · · · · · · · · · · · · · · · · |            |  |             |
|                                       |          | /UG=Hs.2299 CD8 antigen, beta                                  |            |  |             |
| * *:                                  |          | polypeptide 1 (p37)  | j          | *  | 1           |
|                                       |          | /FL=gb:NM_004931.1   | 77 7       | <del>                                     </del> |             |
| 207992_s_at                           | 0.018023 | gb:NM_000480.1 /DEF=Homo                                       | NM_000480  |  | NP_000471   |
|                                       |          | sapiens adenosine  |            |  |             |
|                                       |          | monophosphate deaminase  |            |  | ļ           |
|                                       |          | (isoform E) (AMPD3), mRNA.                                     |            |  | ľ           |
| -                                     |          | /FEA=mRNA /GEN=AMPD3   | ]          | . 1  | j           |
|                                       |          | /PROD=adenosine  |            |  | 1           |
| * 4                                   | ļ        | monophosphate deaminase  | £ .        |  |             |
|                                       |          | (isoform E)  |            | 7  |             |
| ••                                    |          | /DB_XREF=gi:4502078  | }          | · **   | }           |
|                                       | •        | /UG=Hs.83918 adenosine   | -          |  | 1.          |
| -2                                    |          | monophosphate deaminase.                                       |            |  |             |
|                                       |          | (isoform E) /FL=gb:NM_000480.1                                 |            |  |             |
| -                                     | ļ        | ((SOIOIIII E) // L-gb.(NIVI_000480.1                           |            | 1.   | · e         |
| 208022 s at                           | 0.022752 | ab NM 003671.1 /DEE=Home                                       | NIM 003674 |  | <del></del> |
| 200022_8_at                           | 0.022752 | gb:NM_003671.1 /DEF=Homo                                       | NM_003671  | 2.7  |             |
| ,                                     |          | sapiens CDC14 (cell division                                   | 0          |  |             |
|                                       | j        | cycle 14, S. cerevisiae) homolog                               |            |  |             |
| 2                                     |          | B (CDC14B), mRNA.  |            |  |             |
|                                       |          | /FEA=mRNA /GEN=CDC14B  |            | ,  | }           |
|                                       |          | /PROD=S. cerevisiae CDC14                                      |            | ·  |             |
|                                       | *        | homolog, gene B  |            |  |             |
|                                       |          | /DB_XREF=gi:4502698  |            |  |             |
|                                       | ] -      | /FL=gb:NM_003671.1   | 1          |  |             |

|             |           | ng to Figure 19 - Coronary Artery |              | 1144      | Duct      |
|-------------|-----------|-----------------------------------|--------------|-----------|-----------|
| Gene        | p-value   | Description                       | Gene         | Unigene   | Protein   |
| ldentifier  |           | *                                 | Accession    | Accession | Accession |
| 3           |           | *                                 | No.          | No.       | No.       |
| 208024_s_at | 0.018444  | gb:NM_005675.1 /DEF=Homo          | NM_005675    |           | NP_005666 |
| <del></del> |           | sapiens DiGeorge syndrome         | , T.         | l         |           |
|             |           | critical region gene 6 (DGCR6),   |              |           |           |
| r           |           | mRNA. /FEA=mRNA                   |              | ·         | 1         |
| •           | -         | /GEN=DGCR6 /PROD=DiGeorge         | •            | 100       |           |
|             |           | syndrome critical region protein  |              |           |           |
|             | . *       |                                   |              |           | ·         |
|             |           | 6 /DB_XREF=gi:5031662             |              |           |           |
| o.          |           | /UG=Hs.153910 DiGeorge            |              |           |           |
| X:          | +         | syndrome critical region gene 6   |              |           |           |
|             |           | /FL=gb:AF228707.1                 |              |           | •         |
|             |           | gb:NM_005675.1                    | * *          |           |           |
|             |           |                                   |              |           |           |
| 208095_s_at | 0.018023  | gb:NM_001222.1 /DEF=Homo          | NM_001222    |           | NP_75191  |
|             | c '       | sapiens calciumcalmodulin-        |              |           |           |
|             | ŧ         | dependent protein kinase (CaM     |              |           |           |
|             |           | kinase) II gamma (CAMK2G),        |              | 4 1       |           |
|             |           | mRNA. /FEA=mRNA                   | -X-          | ı         | l         |
|             |           | /GEN=CAMK2G                       | ]            | ,         |           |
| •           | * '       |                                   |              |           |           |
|             |           | /PROD=calciumcalmodulin-          |              |           |           |
|             |           | dependent protein kinase          |              | , "       |           |
| 1.          | ė         | (CaMkinase) II gamma              | *            |           |           |
|             |           | /DB_XREF=gi:4502554               | . Ye         |           |           |
| • •         |           | /UG=Hs.250857                     | "            |           |           |
| 4           | - 00      | calciumcalmodulin-dependent       | 1            |           |           |
|             |           | protein kinase (CaM kinase) II    |              | ]         |           |
|             | \         | gamma /FL=gb:U81554.1             |              |           | •         |
|             |           | gb:NM_001222.1                    |              |           |           |
| 208116_s_at | 0.046749  | gb:NM_005907.1 /DEF=Homo          | NM_005907    |           | NP_00589  |
| 200110_5_at | 10.040143 | sapiens mannosidase, alpha,       | 14141_003907 | '         | _00009    |
|             |           |                                   |              | -         | -         |
|             |           | class 1A, member 1 (MAN1A1),      |              | ,         | - 2-      |
|             | 46        | mRNA. /FEA=mRNA                   |              |           | ]         |
|             |           | /GEN=MAN1A1                       | <u>}</u> .   | 12.       |           |
| * 70        |           | /PROD=mannosidase, alpha,         |              |           |           |
|             |           | class 1A, member 1                |              | *         | 1         |
| ٠.          |           | /DB_XREF=gi:5174520               |              |           |           |
|             | •         | /UG=Hs.25253 mannosidase,         | 0.           |           |           |
|             |           | alpha, class 1A, member 1         |              | · .       |           |
|             |           | /FL=gb:NM_005907.1                |              |           |           |
| 208121_s_at | 0.049425  | gb:NM_002848.2 /DEF=Homo          | NM_002848    |           | NP_10959  |
| 200121_3_at | 0.043423  | sapiens protein tyrosine          | 14141_002040 | į         | _10939    |
|             | •         | , ,                               |              |           | ,         |
|             |           | phosphatase, receptor type, O     |              | ,         |           |
|             |           | (PTPRO), transcript variant 2,    |              | ·         | ,         |
|             |           | mRNA. /FEA=mRNA                   | -            | 1         | 1         |
|             | ,         | /GEN=PTPRO /PROD=receptor-        | 1            | 1         |           |
|             |           | type protein tyrosine             |              | *         |           |
|             |           | phosphatase Oisoform b            |              | 1         |           |
|             | j. *      | precursor                         | :            | j         | *         |
|             |           | /DB_XREF=gi:13677212              |              |           |           |
|             | l         | /FL=gb:NM 002848.2                | i .          | 1         | 1 '       |

| Gene        |          | ng to Figure 19 - Coronary Artery I<br>Description   | Gene       | Unigene   | Protein   |
|-------------|----------|--|------------|-----------|-----------|
| Identifier  | (        | *  | Accession  | Accession | Accession |
|             |          | * '  | No.        | No.       | No.       |
| 208151 x at | 0.019292 | gb:NM_030881.1 /DEF=Homo   | NM 030881  |           | NP 112020 |
|             |          | sapiens DEADH (Asp-Glu-Ala-  |            |           | _         |
| *           |          | AspHis) box polypeptide 17   |            |           | 10 00     |
|             | h. :     | (72kD) (DDX17), transcript   |            | 2.3       | j         |
|             |          | variant 2, mRNA. /FEA=mRNA   |            |           | -         |
|             |          | /GEN=DDX17 /PROD=DEADH   |            |           |           |
| •           |          | (Asp-Glu-Ala-AspHis) box   |            |           | *         |
| 100         | *        | polypeptide 17, isoform 2  |            |           |           |
| *           |          | /DB_XREF=gi:13787203   |            |           |           |
| ٠           |          | //FL=gb:NM_030881.1  | -X-        |           | į.        |
| 208268 at   | 0.048741 | gb:NM 021777.1 /DEF=Homo   | NM 021777  |           | NP_068548 |
| 200200_at   | 0.040741 | sapiens a disintegrin and  | 14W_021777 | *         | 10000340  |
|             | ;        | metalloproteinase domain 28  |            |           |           |
|             |          |  |            |           | 1         |
| ·           |          | (ADAM28), transcript variant 3, mRNA. /FEA=mRNA  |            |           |           |
|             | *        | The state of the s |            | 1         |           |
|             | *        | /GEN=ADAM28 /PROD=a  | -          | •         |           |
|             |          | disintegrin and metalloproteinase  |            |           |           |
|             | *        | domain 28,isoform 3  |            | A         |           |
|             |          | preproprotein  |            |           | ř         |
|             |          | /DB_XREF=gi:11496993   |            |           |           |
| -);-        |          | /UG=Hs.174030 a disintegrin and  | 200        | <b>1</b>  |           |
|             | j.       | metalloproteinase domain 28  |            | *         |           |
|             |          | /FL=gb:NM_021777.1   |            | 7         |           |
|             | L.,      | gb:AF137335.1  |            |           |           |
| 208304_at   | 0.046749 | gb:NM_001837.1 /DEF=Homo   | NM_001837  |           | NP_847899 |
| 4           |          | sapiens chemokine (C-C motif)  |            | 00        |           |
|             | -        | receptor 3 (CCR3), mRNA.   | -          |           |           |
|             |          | /FEA=mRNA /GEN=CCR3  | 1          |           |           |
| į           | 8        | /PROD=chemokine (C-C motif)  | *          | *         |           |
|             | ,        | receptor 3   |            |           |           |
| ٠.          |          | /DB_XREF=gi:4502636  |            | 0.8       |           |
| •           |          | /UG=Hs.158324 chemokine (C-C   |            | - V       | <b>!</b>  |
|             | ļ.       | motif) receptor 3  |            |           |           |
|             | !        | /FL=gb:U28694.1 gb:AF026535.1  | 1          | -00       |           |
| 1           | ,        | gb:NM 001837.1   | `          |           |           |

| 1.0         |            | ng to Figure 19 - Coronary Artery I | 5.6          | 12.5                                  |              |
|-------------|------------|-------------------------------------|--------------|---------------------------------------|--------------|
| Gene        | p-value    | Description                         | Gene         | Unigene                               | Prot in      |
| ldentifier  |            | 3 .                                 | Accession    | Accession                             | Acc ssion    |
|             | ĺ          |                                     | No.          | No.                                   | No.          |
| 208426_x_at | 0.049425   | gb:NM 002255.1 /DEF=Homo            | NM_002255    | 1.40.                                 | NP_002246    |
| 200720_x_at | 0.040420   | sapiens killer cell                 | 14141_002200 |                                       | 141 _QUZZ-10 |
|             | 1          |                                     | *            |                                       |              |
|             |            | immunoglobulin-like receptor, two   |              | 1                                     | 14           |
| · .         | <b>1</b>   | domains, long cytoplasmic tail, 4   |              | - 7                                   | 1.           |
| ·           |            | (KIR2DL4), mRNA. /FEA=mRNA          |              |                                       | }            |
|             | <b>i</b> . | /GEN=KIR2DL4 /PROD=killer cell      |              |                                       |              |
|             | *          | immunoglobulin-like receptor,       | g/0          |                                       | Į i          |
|             | } ·        | twodomains, long cytoplasmic        |              |                                       | ł            |
|             |            | tail, 4 /DB_XREF=gi:4504870         |              |                                       | Ì            |
|             |            | /UG=Hs.166085 killer cell           | ,            |                                       |              |
|             |            |                                     |              |                                       | 1            |
| 9           |            | immunoglobulin-like receptor, two   |              |                                       |              |
|             | 1          | domains, long cytoplasmic tail, 4   |              | 0.                                    | 1            |
|             |            | /FL=gb:AF002981.1                   |              | *                                     | 1            |
| e           |            | gb:NM_002255.1                      |              |                                       | -            |
|             |            |                                     |              |                                       |              |
| 208452 x at | 0.040064   | gb:NM_004145.1 /DEF=Homo            | NM 004145    |                                       | NP 004136    |
|             | }          | sapiens myosin IXB (MYO9B),         |              |                                       |              |
| •           | ł          | mRNA. /FEA=CDS                      | Ì            | · ·                                   | γ .          |
| · ·         |            |                                     | · .          |                                       |              |
| · ·         | }          | /GEN=MYO9B /PROD=myosin             | }            |                                       | ,            |
| ÷           | 1          | IXB /DB_XREF=gi:4758749             | *            | 1                                     |              |
|             |            | /UG=Hs.159629 myosin IXB            |              |                                       |              |
|             |            | /FL=gb:U42391.1                     |              |                                       | _            |
|             |            | gb:NM_004145.1                      |              | · .                                   |              |
| 208549 x at | 0.018023   | gb:NM_016171.1 /DEF=Homo            | NM 016171    | · · · · · · · · · · · · · · · · · · · | NP_057255    |
| 7           |            | sapiens prothymosin a14             |              | [ '                                   |              |
| · ·         | - ( -      | (LOC51685), mRNA. /FEA=CDS          | -            |                                       |              |
|             |            | /GEN=LOC51685                       | ÷            | · `                                   | ì            |
|             | j          | /PROD=prothymosin a14               | <b>[</b>     |                                       |              |
|             |            |                                     |              | }                                     |              |
|             |            | /DB_XREF=gi:7706414                 | - 10         |                                       | {            |
| •           | 1 ''       | /UG=Hs.247919 prothymosin a14       | •            | 1                                     | {            |
|             | 1          | /FL=gb:AF170294.1                   | · ·          | 1                                     | 1            |
| <u> </u>    | <u> </u>   | gb:NM_016171.1                      | Ĺ            |                                       | <u> </u>     |
| 208591 s at | 0.046749   | gb:NM_000922.1 /DEF=Homo            | NM_000922    |                                       | NP_000913    |
|             | 1          | sapiens phosphodiesterase 3B,       | _            |                                       |              |
|             | }          | cGMP-inhibited (PDE3B), mRNA.       | 1 -          | 1                                     | l            |
| -           | 8          | /FEA=CDS /GEN=PDE3B                 |              |                                       | }            |
| ٠.          | j .        |                                     |              |                                       |              |
|             |            | /PROD=phosphodiesterase 3B,         | 1            |                                       |              |
| *           | }          | cGMP-inhibited                      | 1            | 1                                     |              |
|             | ľ ·        | /DB_XREF=gi:4505660                 | 1            |                                       |              |
|             |            | /UG=Hs.326528                       | 1            | 1                                     |              |
|             | }          | phosphodiesterase 3B, cGMP-         |              |                                       | }            |
|             | }          | inhibited /FL=gb:NM_000922.1        | 100          | -2-                                   |              |
| 1           | 1 .        |                                     | 1            | 1                                     | 1            |

| Gene        | p-value  | Description                       | Gene      | Unigene     | Protein   |
|-------------|----------|-----------------------------------|-----------|-------------|-----------|
| ldentifier  |          |                                   | Accession | Accession   | Accession |
|             |          |                                   | No.       | No.         | No.       |
| 208611_s_at | 0.018023 | gb:U83867.1 /DEF=Human alpha      | U83867    | IXO.        | NP 003118 |
|             | 0.010020 | II spectrin mRNA, complete cds.   | 000001    |             |           |
|             |          | /FEA=mRNA /PROD=alpha II          |           | -           | * *       |
| •           | [        |                                   |           |             |           |
|             | ľ        | spectrin /DB_XREF=gi:1805279      |           |             |           |
|             | !        | /UG=Hs.77196 spectrin, alpha,     | 1         |             |           |
| *           |          | non-erythrocytic 1 (alpha-fodrin) |           |             | j         |
|             |          | /FL=gb:J05243.1 gb:U83867.1       |           |             | Ì         |
|             |          | gb:NM_003127.1                    |           |             |           |
| <u> </u>    |          |                                   |           |             |           |
| 208616_s_at | 0.018023 | gb:U48297.1 /DEF=Homo             | U48297    |             | NP_536317 |
| *           |          | sapiens protein tyrosine          |           |             |           |
|             | ĺ        | phosphatase PTPCAAX2              |           |             | 1         |
|             |          | (hPTPCAAX2) mRNA, complete        | 9         |             |           |
| * '         |          | cds. /FEA=mRNA                    | · ·       | , P         | ļ         |
| -           |          | /GEN=hPTPCAAX2                    | •         | ·           |           |
|             |          | /PROD=protein tyrosine            |           |             |           |
|             |          | phosphatase PTPCAAX2              |           |             |           |
| * .         |          | /DB_XREF=gi:1777756               | ,         |             |           |
|             |          | /UG=Hs.82911 protein tyrosine     | . *       |             |           |
|             | [        | phosphatase type IVA, member      |           |             | 1         |
|             | 1        | , ,                               |           | 1 :         | 1         |
|             |          | 2 /FL=gb:U48297.1                 |           |             | ·         |
| 000040 -4   | 0.004704 | gb:NM_003479.1_gb:AF208850.1      | 1.40000   | <del></del> | AID 00404 |
| 208619_at   | 0.034721 | gb:L40326.1 /DEF=Homo             | L40326    |             | NP_001914 |
|             |          | sapiens Hepatitis B virus X-      |           | 1           |           |
|             | 1        | associated protein 1 mRNA,        |           |             | ,         |
|             | 1        | complete cds. /FEA=mRNA           |           |             |           |
|             |          | /PROD=X-associated protein 1      |           | 1           |           |
|             |          | /DB_XREF=gi:695361                | {         |             | <u>'</u>  |
| *.          |          | /UG=Hs.108327 damage-specific     | *         | 1           | ł         |
|             | 1        | DNA binding protein 1 (127kD)     | 800       | }           | )         |
| .*          | 1        | /FL=gb:U18299.1 gb:U32986.1       |           |             |           |
| Gar         |          | gb:NM_001923.2 gb:L40326.1        |           |             |           |
|             |          |                                   |           | Ì           | ,         |
| 208623_s_at | 0.046749 | gb:J05021.1 /DEF=Human            | J05021    | - /         | NP 00337  |
|             | ]        | cytovillin 2 (VIL2) mRNA,         |           | ·           |           |
|             |          | complete cds. /FEA=mRNA           |           |             | 1.        |
| 1           | 1        | /GEN=VIL2 /DB_XREF=gi:340216      | ł         |             | 1 .       |
|             |          | //UG=Hs.155191 villin 2 (ezrin)   |           | 1           | 1         |
|             |          |                                   | j         | ]           |           |
|             |          | /FL=gb:J05021.1 gb:AL162086.1     |           |             |           |
|             | 1        | gb:NM_003379.2                    | 1         | 1           | 1         |

|             |          | ng to Figure 19 - Coronary Artery I |           | Unigo-s     | Drotein   |
|-------------|----------|-------------------------------------|-----------|-------------|-----------|
| Gene        | p-value  | Description                         | Gene      | Unigene     | Protein   |
| ldentifier  |          |                                     | Accession | Accession   | Accession |
|             |          |                                     | No.       | No.         | No.       |
| 208634 s at | 0.018023 | gb:AB029290.1 /DEF=Homo             | AB029290  |             | NP_149033 |
|             | • ·      | sapiens mRNA for actin binding      |           |             | 1         |
|             |          | protein ABP620, complete cds.       |           |             | 1         |
|             |          | /FEA=mRNA /GEN=abp620               | *         |             | ł         |
|             | · · ·    | /PROD=actin binding protein         |           |             | 1.        |
|             |          | ABP620 /DB_XREF=gi:5821433          |           | 1           |           |
|             | 1        | //UG=Hs.108258 actin binding        |           |             |           |
|             |          |                                     |           |             |           |
|             |          | protein; macrophin (microfilament   | 1         | { · · · · · |           |
|             | 1        | and actin filament cross-linker     | -         | 1           |           |
|             | 1        | protein) /FL=gb:AB029290.1          | Į         | 8           | 1         |
| *           | }        |                                     |           | (3)         | 0         |
|             |          |                                     |           |             |           |
| 208644_at   | 0.025284 | gb:M32721.1 /DEF=Human              | M32721    | 1.0         | NP_001609 |
|             | 1        | poly(ADP-ribose) polymerase         |           |             | 1         |
|             |          | mRNA, complete cds.                 | , ,       |             | 1         |
|             | }        | /FEA=mRNA /GEN=PPOL                 | - Sec.    | }           |           |
|             |          | /DB_XREF=gi:190266                  |           |             | 1         |
|             |          |                                     |           | · .         |           |
|             |          | /UG=Hs.177766 ADP-                  | 0         | 8 1         | *         |
|             |          | ribosyltransferase (NAD+; poly      |           |             |           |
|             |          | (ADP-ribose) polymerase)            |           |             |           |
| . *         | 1        | /FL=gb:NM_001618.2                  |           |             | 2         |
| **          |          | gb:M18112.1 gb:M32721.1             | . * .     |             |           |
|             |          | gb:J03473.1                         | <u> </u>  |             | 1         |
| 208653 s at | 0.034721 | Consensus includes                  | AF299343  |             | NP_006007 |
|             |          | gb:AF263279.1 /DEF=Homo             |           |             | _ '       |
|             | ].       | sapiens CD164 mRNA, complete        |           |             | . *       |
|             |          | cds. /FEA=CDS /PROD=CD164           |           |             |           |
|             | ] .      | /DB_XREF=gi:9230740                 |           | , e         |           |
|             | 1:       | //UG=Hs.43910 CD164 antigen,        |           |             | ,         |
|             | 1 .      |                                     | <b>'</b>  |             | 1         |
|             | }        | sialomucin /FL=gb:AF299341.1        |           |             |           |
| ' -         | 0        | gb:AF299343.1 gb:AF263279.1         |           | *           |           |
|             | ļ        |                                     | <u> </u>  |             |           |
| 208657_s_at | 0.018222 | gb:AF142408.1 /DEF=Homo             | AF142408  |             | NP_006631 |
|             |          | sapiens cell division control       | · ye      |             |           |
|             | ļ.       | protein septin D1 mRNA,             | 7         |             |           |
|             |          | complete cds. /FEA=mRNA             | 1         |             |           |
|             |          | /PROD=cell division control         | }         |             | 1         |
| - '         |          | protein septin D1                   | ]         |             | 1         |
|             |          | //DB_XREF=gi:11055010               |           | *           |           |
|             |          |                                     |           | *           |           |
| *           |          | /UG=Hs.181002 MLL septin-like       |           | <b>)</b>    | , a       |
|             |          | fusion /FL=gb:AF142408.1            |           | · ·         |           |
|             |          | gb:AF142569.1                       |           |             |           |

|             |            | ng to Figure 19 - Coronary Artery I     | 27.1            | Unigene              | Protein          |
|-------------|------------|---|-----------------|----------------------|------------------|
| G ne        | p-value    | Description                             | Gene            | Unigene<br>Accession | Accession        |
| ldentifier  |            |   | Accession       |                      |                  |
| 200650 -4   | 0.034721   | ab:PC000425.1 /DEE=Usms                 | No.<br>BC000425 | No.                  | No.<br>NP 004902 |
| 208658_at   | 0.034721   | gb:BC000425.1 /DEF=Homo                 | BC000425        |                      | 111P_004902      |
|             |            | sapiens, protein disulfide              |                 | · (5) · · · · · ·    | ·                |
|             |            | isomerase related protein               |                 |                      |                  |
|             | ·          | (calcium-binding protein,               |                 |                      |                  |
|             | . ,        | intestinal-related), clone              |                 |                      |                  |
|             | · ·        | MGC:8346, mRNA, complete                |                 |                      |                  |
| · · · · · · | - n        | cds. /FEA=mRNA /PROD=protein            |                 |                      |                  |
|             | *          | disulfide isomerase related             |                 | -                    | ł                |
|             |            | protein(calcium-binding protein,        | ļ               |                      | }                |
|             |            | intestinal-related)                     |                 |                      | 1                |
| •           |            | /DB_XREF=gi:12653312                    | ĺ               |                      | Ì                |
| 7           | 1          | /UG=Hs.93659 protein disulfide          | 1               | C+ ×                 |                  |
|             |            | isomerase related protein               |                 |                      |                  |
|             | 8          | (calcium-binding protein,               | 8.              | •                    | ÷                |
|             | 1          | intestinal-related)                     | · ·             | * *                  | 1                |
|             | ł          | /FL=gb:BC000425.1                       |                 |                      | · ·              |
|             | .)         | gb:BC001928.1                           | 1 1             |                      | }                |
| · r         |            | gb.bcoo1920.1                           |                 |                      |                  |
| 208663 s at | 0.019602   | Cananaua incluidos ab AIGE2949          | D04204          |                      | NP 00330         |
| 200003_s_at | 0.010093   | Consensus includes gb:Al652848 /FEA=EST | D04294          | , "                  | INF_00330        |
|             |            |   | ŀ               |                      | - 4              |
|             |            | /DB_XREF=gi:4736827                     | }               | , , ,                | <i>*</i>         |
|             | 1.7        | /DB_XREF=est:wb40a04.x1                 |                 | i.                   | 1                |
|             |            | /CLONE=IMAGE:2308110                    |                 | İ                    | -                |
|             | l          | /UG=Hs.118174 tetratricopeptide         | ·               |                      | -                |
| •           |            | repeat domain 3                         |                 | 7                    |                  |
|             |            | /FL=gb:D84294.1                         |                 | 1                    |                  |
| 208690_s_at | 0.034721   | gb:BC000915.1 /DEF=Homo                 | BC000915        |                      | NP_066272        |
|             |            | sapiens, Similar to LIM protein,        |                 |                      |                  |
|             |            | clone MGC:5344, mRNA,                   |                 |                      |                  |
|             | . *        | complete cds. /FEA=mRNA                 | =               |                      |                  |
|             |            | /PROD=Similar to LIM protein            |                 |                      | 1                |
| 4           | 1          | /DB_XREF=gi:12654194                    | *               | '                    | 1                |
|             |            | /UG=Hs.75807 PDZ and LIM                | 1.              |                      |                  |
|             | 1          | domain 1 (elfin)                        |                 |                      |                  |
|             | {          | /FL=gb:BC000915.1                       |                 |                      |                  |
|             |            | 7/1-E-gb.bC000913.1                     | 1               |                      | 1.               |
| 2007021     | 0.005004   | Conseque includes shiALEDED40           | BC000272        | <del> </del>         | ND COACO         |
| 208702_x_at | J 0.025284 | Consensus includes gb:Al525212          | DC000373        |                      | NP_00163         |
|             | 1          | //FEA=EST                               | 1               |                      | <b>"</b>         |
|             |            | /DB_XREF=gi:4439347                     | ÷ 100           |                      | 1                |
|             |            | /DB_XREF=est:pt1.1-2.A08.r              |                 | 1                    | 1                |
|             |            | /UG=Hs.279518 amyloid beta              |                 |                      |                  |
|             |            | (A4) precursor-like protein 2           |                 | 1.                   | 1                |
|             | 1          | /FL=gb:BC000373.1                       | 2               | 1                    | 1                |

|             |          | ng to Figure 19 - Coronary Artery     |            | <b> </b>                              |              |
|-------------|----------|---------------------------------------|------------|---------------------------------------|--------------|
| Gene        | p-value  | Description                           | Gen        | Unigene                               | Protein      |
| Identifier  | ,        |                                       | Accession  | Accession                             | Accession    |
|             |          |                                       | No.        | No.                                   | No.          |
| 208714 at   | 0.034721 | gb:AF092131.1 /DEF=Homo               | AF092131   | 1101                                  | NP_009034    |
| - 3 3       |          | sapiens 51kDa subunit of NADH         |            |                                       |              |
|             |          | dehydrogenase mRNA, complete          |            |                                       | 1 19 1       |
|             |          | 1                                     |            |                                       |              |
|             | ·        | cds. /FEA=mRNA /PROD=51kDa            | ·          |                                       |              |
| •           | •        | subunit of NADH dehydrogenase         |            |                                       |              |
| 1.0         | ì        | /DB_XREF=gi:5138911                   | 1          | · .                                   | -            |
|             | 1        | /UG≈Hs.7744 NADH ,                    |            |                                       | · .          |
|             | ł        | dehydrogenase (ubiquinone)            |            |                                       | i            |
|             |          | flavoprotein 1 (51kD)                 | - '        |                                       | {            |
| ٠           |          | /FL=gb:AF053070.1                     | . *        |                                       | - 2-         |
| · .         | 9-       | gb:AF092131.1 gb:NM_007103.1          | -2         | '                                     |              |
| *           |          | , , , , , , , , , , , , , , , , , , , |            |                                       |              |
| 208722_s_at | 0.018023 | gb:BC001081.1 /DEF=Homo               | BC001081   | · · · · · · · · · · · · · · · · · · · | NP_057321    |
| 200122_0_01 | 1.07020  | sapiens, anaphase-promoting           | 120001001  |                                       | 14, _00/ 02/ |
| *           |          | complex subunit 5, clone              | [          |                                       | -            |
|             |          |                                       |            | ***                                   |              |
| ٠,          |          | MGC:2750, mRNA, complete              |            |                                       | ***          |
| *           |          | cds. /FEA=mRNA                        |            |                                       |              |
| 0 0         |          | /PROD=anaphase-promoting              |            |                                       | ŀ            |
| "           | 1        | complex subunit 5                     |            |                                       |              |
|             |          | /DB_XREF=gi:12654502                  | <u>'</u> . |                                       |              |
|             | }        | /UG=Hs.7101 anaphase-                 |            |                                       |              |
|             |          | promoting complex subunit 5           |            |                                       | <b>.</b> €.  |
|             |          | /FL=gb:BC001081.1                     | [          |                                       |              |
|             | {        | gb:BC001950.1 gb:AF191339.1           | (          | . *                                   |              |
|             | ł .      | gb:NM_016237.1                        |            | 1                                     |              |
| 208723_at   | 0.018603 | gb:BC000350:1 /DEF=Homo               | BC000350   |                                       | NP 004642    |
| 200723_at   | 0.010093 | 1 -                                   | DC000350   |                                       | INP_004042   |
| *           |          | sapiens, ubiquitin specific           |            |                                       |              |
|             |          | protease 11, clone MGC:8620,          |            |                                       |              |
| ,           | ļ        | mRNA, complete cds.                   | ļ .        |                                       |              |
| -           |          | /FEA=mRNA /PROD=ubiquitin             | ]          |                                       |              |
| 1 0         | . /      | specific protease 11                  |            |                                       |              |
|             |          | /DB_XREF=gi:12653164                  | [          |                                       | -            |
| ľ           | ĺ        | /UG=Hs 171501 ubiquitin specific      |            | 1                                     |              |
| }           | ·        | protease 11 /FL=gb:BC000350.1         | Ì          |                                       | 1            |
|             | *        | gb:U44839.1 gb:NM_004651.1            | -          |                                       | ,            |
|             | }'       | gs. 6 1 1000 1 gs. 4 11 _ 00 100 1 1  |            |                                       |              |
| 208727_s_at | 0.046749 | gb:BC002711.1 /DEF=Homo               | BC002711   | <del></del>                           | NP_426359    |
| 200121_S_at | 0.040749 | 1 <del>-</del> .                      | 100002711  |                                       | 147_420339   |
| · ·         |          | sapiens, cell division cycle 42       |            |                                       | ļ            |
|             | İ        | (GTP-binding protein, 25kD),          | • •        |                                       | - in-        |
|             | ÷ .      | clone MGC:3497, mRNA,                 | *          | * -                                   | l            |
| [ ·         | 1        | complete cds. /FEA=mRNA               |            |                                       |              |
| 1 .         |          | /PROD=cell division cycle 42          | 1          | {                                     | [            |
| } · · ·     | 1        | (GTP-binding protein,25kD)            |            |                                       | 1            |
|             | 1        | /DB_XREF=gi:12803746                  | l          | 1                                     | 1            |
|             | 1        | /UG=Hs.146409 cell division           |            | 1                                     |              |
| 1           | +        | cycle 42 (GTP-binding protein,        | <b>{</b>   | *                                     | 1            |
|             | <u> </u> | 25kD) /FL=gb:BC002711.1               |            |                                       |              |
|             | ľ        | gb:BC003682.1 gb:M57298.1             |            |                                       |              |
|             |          |                                       |            | ·                                     |              |
|             | 1        | gb:NM_001791-1                        |            |                                       | Landing Line |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery  | Disease                  |                             |                             |
|--------------------|------------|--|--------------------------|-----------------------------|-----------------------------|
| Gene<br>ld ntifier | p-value    | Description  | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 208735_s_at        | 0.046749   | gb:AF022231.1 /DEF=Homo sapiens unknown protein mRNA, complete cds. /FEA=mRNA /PROD=unknown protein /DB_XREF=gi:4103319 /UG=Hs.180669 conserved gene amplified in osteosarcoma /FL=gb:AF000152.1 gb:AF022231.1   | AF022231                 | *                           | NP_005721                   |
| 208755 x at        | 0.034721   | H3 histone, family 3A  | BF312331                 | Hs.181307                   | NP 002098                   |
| 208758_at          |            | gb:D89976.1 /DEF=Homo sapiens mRNA for 5-aminoimidazole-4-carboxamide ribonucleotide transformylase, complete cds. /FEA=mRNA /PROD=5-aminoimidazole-4-carboxamide ribonucleotidetransformylase /DB_XREF=gi:2317691 /UG=Hs.90280 5-aminoimidazole-4-carboxamide ribonucleotide formyltransferaseIMP cyclohydrolase /FL=gb:U37436.1 gb:D82348.1 gb:D89976.1 gb:NM_004044.1 | D89976                   |                             | NP_004035                   |
| 208835_s_at        | 0.018023   | cisplatin resistance-associated overexpressed protein  | AW089673                 | Hs.3688                     | NP_057508                   |
| 208853_s_at        | *          | gb:L18887.1 /DEF=Human calnexin mRNA, complete cds. /FEA=mRNA /PROD=calnexin /DB_XREF=gi:306480 /UG=Hs.155560 calnexin /FL=gb:NM_001746.1 gb:BC003552.1 gb:M94859.1 gb:M98452.1 gb:L18887.1  | L18887                   |                             | NP_001737                   |
| 208875_s_at        | 0.025284   | Consensus includes gb:BF796470 /FEA=EST /DB_XREF=gi:12101524 /DB_XREF=est:602259926F1 /CLONE=IMAGE:4342999 /UG=Hs.284275 Homo sapiens PAK2 mRNA, complete cds /FL=gb:AF092132.1  | AF092132                 |                             | *                           |

| Gene List Co | respondir   | g to Figure 19 - Coronary Artery [  | Disease   |             |             |
|--------------|-------------|-------------------------------------|-----------|-------------|-------------|
| Gene         |             | Description                         | Gene      | Unigene     | Protein     |
| ldentifier   |             |                                     | Accession | Accession   | Accession   |
|              | UA          |                                     | No.       | No.         | No.         |
| 208876_s_at  | 0.046749    | Consensus includes gb:Al076186      |           |             |             |
|              |             | /FEA=EST                            |           |             |             |
|              | •           | /DB_XREF=gi:3405364                 | ¥.        |             |             |
|              | *           | /DB XREF=est:oz01g01.x1             |           | , ;         |             |
|              |             | /CLONE=IMAGE:1674096                |           |             |             |
| ,            |             | /UG=Hs.284275 Homo sapiens          | 1 .       |             |             |
| *            | .,          | PAK2 mRNA, complete cds             |           | <u>.</u> -  |             |
|              |             | /FL=gb:AF092132.1                   |           |             |             |
| 208910_s_at  | 0.025284    | gb:L04636.1 /DEF=Homo               | L04636    |             | NP_001203   |
|              |             | sapiens pre-mRNA splicing           |           |             |             |
| •            |             | factor 2 p32 subunit (SF2p32)       | . 9       |             | :           |
| • .          |             | mRNA, complete cds.                 |           |             | * . *       |
|              |             | /FEA=mRNA /PROD=splicing            |           |             | - ·         |
|              |             | factor /DB_XREF=gi:338044           |           |             |             |
|              |             | /UG=Hs.78614 complement             |           |             | 1           |
|              |             | component 1, q subcomponent         |           |             |             |
|              | :           | binding protein                     |           |             |             |
|              |             | /FL=gb:NM_001212.2                  | -         | ,           | **          |
|              | •           | gb:BC000435.1 gb:L04636.1           |           | 9           |             |
| 208927 at    | 0.034721    | speckle-type POZ protein            | BF673888  | Hs.129951   | NP 003554   |
| 208934_s at  |             | gb:AF342815.1 /DEF=Homo             | AF342815  |             | NP 006490   |
|              | ľ           | sapiens colorectal carcinoma-       |           |             | _           |
| Sec.         | e .*        | derived galectin-8 variant I        |           | J           |             |
|              |             | mRNA, complete cds.                 |           | -)(-        |             |
|              |             | /FEA=mRNA /PROD=colorectal          |           |             |             |
| ÷ "          |             | carcinoma-derived galectin-8        |           |             | l           |
|              | . *         | variantl /DB XREF=gi:13249298       | 0.        |             | *           |
|              |             | /UG=Hs.4082 lectin, galactoside-    |           |             |             |
| - "          |             | binding, soluble, 8 (galectin 8)    |           |             |             |
|              |             | /FL=gb:AF342815.1 gb:L78132.1       | ,         | ·           | 1           |
|              |             | gb:AF074000.1 gb:NM_006499.1        |           |             |             |
|              |             | gan a or receive gan in_coordan.    |           |             |             |
| 208965 s at  | 0.036254    | interferon, gamma-inducible         | BG256677  | Hs.155530   | NP_005522   |
|              | 0.000       | protein 16                          |           |             |             |
| 208997_s_at  | 0.034721    | gb:U82819.1 /DEF=Homo               | U82819    |             | NP_003346   |
|              | •           | sapiens UCP2 mRNA, complete         |           |             | -1-17       |
|              |             | cds. /FEA=mRNA /PROD=UCP2           | } `       |             |             |
|              |             | /DB_XREF=gi:1877473                 |           |             |             |
|              | {           | /UG=Hs.80658 uncoupling protein     | 1         | ***         |             |
|              |             | 2 (mitochondrial, proton carrier)   | ٠.        |             | -           |
|              |             | /FL≈gb:NM_003355.2                  | * ,       | 1           |             |
|              |             | gb:U76367.1 gb:U82819.1             | *         |             |             |
| 0.0          | (           | gb:U94592.1                         | {         | 1           |             |
|              |             | 3                                   | 1         |             | ,           |
| L            | <del></del> |                                     |           | <del></del> | <del></del> |
| 209050_s_at  | l 0.018023  | ral guanine nucleotide dissociation | IAI421559 | Hs.396157   | NP_006257   |

| Gene                                  | p-value  | Description   | Gene                 | Unigene   | Protein                |
|---------------------------------------|--|---|----------------------|-----------|------------------------|
| Identifier                            | •  |   | Accession            | Accession | Accession              |
|                                       |  |   | No.                  | No.       | No.                    |
| 209057 x at                           | 0.034721   | gb:AB007892.1 /DEF=Homo                                     | AB007892             |           |                        |
| · · · · · · · · · · · · · · · · · · · | ·  | sapiens KIAA0432 mRNA,                                      |                      | 1         |                        |
|                                       |  | complete cds. /FEA=mRNA                                     |                      |           |                        |
|                                       |  | /GEN=KIAA0432   |                      | 1         |                        |
| i                                     |  | /DB_XREF=gi:2887434   |                      | }         |                        |
|                                       |  | /UG=Hs.155174 CDC5 (cell                                    | `                    | }         | 1                      |
|                                       | 8  | division cycle 5, S. pombe,                                 |                      | 1         |                        |
|                                       |  | homolog)-like   |                      | 1         | i .                    |
|                                       | •  | /FL=gb:NM_001253.1  |                      |           |                        |
| <br>                                  |  | gb:U86753.1 gb:AB007892.1                                   |                      | <u> </u>  | -                      |
| 209092_s_at                           | 0.018023   | gb:AF061730.1 /DEF=Homo                                     | AF061730             |           | NP_057164              |
|                                       |  | sapiens clone 016b03 My027                                  |                      | ω.        | 1                      |
|                                       |  | protein mRNA, complete cds.                                 | en                   | *         | ٠                      |
|                                       | _  | /FEA=mRNA /PROD=My027                                       |                      | 1         | -                      |
|                                       | <b>[</b>   | protein /DB_XREF=gi:12001995                                |                      |           | -                      |
|                                       |  | /UG=Hs.279061 CGI-150 protein                               |                      | ļ         |                        |
|                                       | ` ·  | /FL=gb:AF061730.1   |                      | }         | <b>)</b> .             |
|                                       | 1 - 1 - 11-2   | gb:AF151908.1 gb:NM_016080.1                                |                      |           |                        |
| 209128_s_at                           | 0.025284   | gb:D63879.1 /DEF=Human                                      | D63879               |           | NP_055521              |
|                                       |  | mRNA for KIAA0156 gene,                                     | ł                    |           | * '                    |
|                                       |  | complete cds. /FEA=mRNA                                     | Ì                    |           |                        |
| •                                     |  | /GEN=KIAA0156   |                      |           |                        |
|                                       | *  | /DB_XREF=gi:961449  | 1                    | 1         |                        |
|                                       | , The state of the | /UG=Hs.116875 KIAA0156 gene                                 |                      | · ·       | 1                      |
| , i                                   | ·  | product /FL=gb:AB020880.1                                   |                      |           | 1                      |
| ļ                                     | ļ  | gb:NM_014706.1 gb:D63879.1                                  |                      |           | 1 ,                    |
| 200126 2 =+                           | 0.019072   | Lubiquitin angolfic protocos 40                             | PC300445             | Hs.78829  | ND 005144              |
|                                       |  | ubiquitin specific protease 10<br>gb:AF005422.1 /DEF=Homo   | BG390445<br>AF005422 | 175.70029 | NP 005144<br>NP 001284 |
| 209143_s_at                           | 0.046749   | sapiens reticulocyte plCln                                  | AF005422             |           | INP_001204             |
|                                       |  |   |                      | }         | 1                      |
|                                       |  | mRNA, complete cds. /FEA=mRNA /PROD=reticulocyte            | 1                    | 1         |                        |
|                                       | **   |   | 1                    | 1         | · [                    |
|                                       | 1  | pICIn /DB_XREF=gi:2209234<br>/UG=Hs.84974 chloride channel, |                      |           | 1                      |
|                                       | 1  | nucleotide-sensitive, 1A                                    |                      |           |                        |
| *                                     |  | /FL=gb:U53454.1 gb:AF005422.1                               |                      |           | 1                      |
|                                       |  | gb:AF026003.1 gb:NM_001293.1                                |                      |           | 1                      |
| }                                     |  | gb:U17899.1   |                      |           | }                      |
|                                       |  | 95.0 17 955.1   | }                    |           |                        |
| 209146_at                             | 100000   | sterol-C4-methyl oxidase-like                               | AV704962             | Hs.239926 | NP_006736              |

|                   |            | ng to Figure 19 - Coronary Artery I            |                   |                      |                      |
|-------------------|------------|--|-------------------|----------------------|----------------------|
| Gen<br>Identifier | p-value    | Description                                    | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
| 000477            | 10 00 1701 | 1. 000000000000000000000000000000000000        | No.               | No.                  | No.                  |
| 209177_at         | 0.034721   | gb:BC002873.1 /DEF=Homo                        | BC002873          |                      |                      |
|                   |            | sapiens, Similar to nuclear                    |                   |                      |                      |
| N.                |            | protein E3-3 orf1, clone                       |                   |                      | 1                    |
| · ·               |            | MGC:10527, mRNA, complete                      |                   |                      |                      |
|                   |            | cds. /FEA=mRNA /PROD=Similar                   |                   | *                    |                      |
|                   | ·          | to nuclear protein E3-3 orf1                   |                   | <b>.</b>             |                      |
| •                 |            | /DB_XREF=gi:12804040                           |                   |                      |                      |
|                   |            | /UG=Hs.31387 DKFZP564J0123                     |                   |                      | * *                  |
|                   |            | protein /FL=gb:BC002873.1                      |                   | . *                  |                      |
| 000407            | 0.040000   |  | 4 4 6 6 6 7 6 6   |                      |                      |
| 209197_at         |            | synaptotagmin XI                               | AA626780          | Hs.380439            | NP_689493            |
| 209198_s_at       | 0.018023   | gb:BC004291.1 /DEF=Homo                        | BC004291          |                      | NP_689493            |
| • *               |            | sapiens, Similar to                            |                   |                      |                      |
| 6 - <sub>14</sub> | :          | synaptotagmin 11, clone                        | ()                | 0.00                 |                      |
|                   |            | MGC:10881, mRNA, complete                      | *                 | *                    |                      |
|                   | 7          | cds. /FEA=mRNA /PROD=Similar                   | · :               |                      |                      |
|                   |            | to synaptotagmin 11                            |                   |                      | <u>.</u>             |
| 4                 |            | /DB_XREF=gi:13279139                           | *                 | 0.0                  |                      |
|                   |            | /UG=Hs.74554 KIAA0080 protein                  |                   |                      |                      |
| and the second    | - No. •    | /FL=gb:BC004291.1                              |                   |                      |                      |
| 200250 0 0        | 0.040425   | Canadagua ingludas abiA1272676                 | NIM OOF 44E       | · · ·                | ND 005400            |
| 209258_s_at       | 0.049425   | Consensus includes gb:Al373676<br>/FEA=EST     | NIVI_005445       |                      | NP_005436            |
|                   | v          | /DB_XREF=gi:4153542                            |                   |                      |                      |
| •                 | 1          | /DB_XREF=gi.4153542<br>/DB_XREF=est:qz53h11.x1 |                   |                      |                      |
|                   |            | //CLONE=IMAGE:2030661                          | , <i>*</i>        |                      | - 00                 |
|                   |            | //UG=Hs.24485 chondroitin sulfate              |                   |                      | * * *                |
|                   | ·          | proteoglycan 6 (bamacan)                       |                   |                      | 13                   |
|                   |            | /FL=gb:AF020043.1                              |                   |                      |                      |
| •                 |            | gb:NM_005445.1 gb:AF067163.1                   |                   | 191                  |                      |
| 209263_x_at       | 0.034721   | gb:BC000389.1 /DEF=Homo                        | BC000389          | 3                    | NP_003262            |
| 209200_x_at       | 0.034721   | sapiens, transmembrane 4                       | DC000309          |                      | NF_003202            |
|                   |            | superfamily member 7, clone                    | ,                 | i                    |                      |
|                   |            | MGC:8437, mRNA, complete                       |                   | +                    |                      |
|                   |            | cds. /FEA=mRNA                                 |                   | •                    | •                    |
|                   | •          | /PROD=transmembrane 4                          |                   |                      |                      |
|                   |            | superfamily member 7                           |                   | e' .                 |                      |
|                   |            | /DB_XREF=gi:12653240                           | ٠.                |                      | -0.0                 |
|                   |            | /UG=Hs.26518 transmembrane 4                   |                   | X 100                |                      |
|                   |            | superfamily member 7                           |                   |                      |                      |
|                   |            | /FL=gb:BC000389.1                              |                   |                      |                      |
|                   |            | gb:AF022813.1 gb:AF054841.1                    | ,                 |                      |                      |
|                   |            |  | , ,               |                      |                      |
|                   |            | gb:NM_003271.1                                 | '                 |                      |                      |

| Gene        | p-value  | Description  | Gene      | Unigene      | Protein   |
|-------------|----------|--|-----------|--------------|-----------|
| ldentifier  | į.       | -  | Accession | Accession    | Accession |
| 3, 1        |          |  | No.       | No.          | No.       |
| 209274 s at | 0.046749 | gb:BC002675.1 /DEF=Homo  | BC002675  |              | NP 112202 |
|             |          | sapiens, Similar to CG8198                                       |           |              |           |
|             |          | gene product, clone MGC:4276,                                    |           | į            |           |
|             |          | mRNA, complete cds.  |           |              | .[        |
|             |          | /FEA=mRNA /PROD=Similar to                                       | 1         |              | 1         |
|             | ٠<br>٧.  | CG8198 gene product  |           |              | 1         |
|             | •        | /DB XREF=gi:12803678   | a         | •            |           |
| *           |          | /UG=Hs.177776 hypothetical                                       | İ         | ·            |           |
|             |          | protein MGC4276 similar to                                       |           |              |           |
|             |          | CG8198 /FL=gb:AF284752.1   |           |              |           |
|             |          | gb:BC002675.1  |           | ė .          |           |
|             |          | 95.5002070.7   |           | .y.          |           |
| 209275 s at | 0.049425 | gb:AF015593.1 /DEF=Homo  | AF015593  | <del> </del> | NP_000077 |
| 200210_5_4( | 0.0-0-20 | sapiens CLN3 protein (CLN3)                                      | 7 10000   |              |           |
| e**         |          | mRNA, complete cds.  |           |              |           |
|             |          | /FEA=mRNA /GEN=CLN3  |           |              | ÷         |
|             |          | //PROD=CLN3 protein  |           |              | 1         |
|             |          | //DB_XREF=gi:4102728   |           | ٠.,          |           |
|             |          | //UG=Hs.194660 ceroid-   |           |              |           |
|             |          | lipofuscinosis, neuronal 3,                                      |           |              | , ,       |
|             |          | jiporuscinosis, neuronai 3,<br>juvenile (Batten, Spielmeyer-Vogt | 1         | , ,          |           |
|             |          | disease) /FL=gb:U32680.1   |           |              |           |
|             |          | gb:BC002394.1 gb:BC004433.1                                      |           | ì            |           |
|             |          | gb:AF015593.1 gb:NM_000086.1                                     |           |              | ĺ         |
|             | 1        |  |           | *.           | *         |
| *           | 0        | gb:AF078169.1 gb:AF077956.1                                      | *         |              |           |
| **          |          | gb:AF077957.1 gb:AF077958.1                                      |           |              | 1 3.      |
| * ,         |          | gb:AF077959.1 gb:AF077961.1                                      |           | ·            |           |
|             |          | gb:AF077962.1 gb:AF077966.1                                      |           |              | [ *       |
| 200240 -4   | 0.004704 | gb:AF077971.1  | 070400    | <del> </del> | ND 000400 |
| 209340_at   | 0.034721 | gb:S73498.1 /DEF=Homo  | S73498    |              | NP_003106 |
|             |          | sapiens AgX-1 antigen mRNA,                                      |           |              |           |
|             | ĺ        | complete cds. /FEA=mRNA  |           |              |           |
| . / .       |          | /PROD=AgX-1 antigen  | 1 .       |              |           |
|             |          | /DB_XREF=gi:688010   | ,         | 1            |           |
|             | ł        | /UG=Hs.21293 UDP-N-  |           |              | 1         |
|             |          | acteylglucosamine  |           |              |           |
| -           |          | pyrophosphorylase 1  | 9         | 1            | 9,        |
|             |          | /FL=gb:AB011004.1  |           |              |           |
|             |          | gb:NM_003115.1 gb:S73498.1                                       | 1         | L            | <u> </u>  |

| Gen         | p-value                                 | ng to Figure 19 - Coronary Artery  <br>Description      | Gene      | Unigene        | Prot in    |
|-------------|---|---|-----------|----------------|------------|
| Identifier  | p-value                                 | Description   |           | Accession      | Acc ssion  |
| identifier  |   |   | Accession |                |            |
| 000050 1    | 0.040740                                | 1 A 5 4 4 0 0 0 4 4 1 1 5 5 5 1 1 4 1 1 1 1 1 1 1 1 1 1 | N .       | No.            | No.        |
| 209358_at   | 0.046749                                | gb:AF118094.1 /DEF=Homo                                 | AF118094  |                | NP_005634  |
|             | , .                                     | sapiens PRO2134 mRNA,                                   |           |                |            |
|             |   | complete cds. /FEA=mRNA                                 |           | T <sub>0</sub> | ·          |
| * .         | ł                                       | /PROD=PRO2134   | ,         |                |            |
| 9=          | *                                       | /DB_XREF=gi:6650833                                     | -         | 1              | 1          |
|             | •                                       | /UG=Hs.83126 TATA box                                   |           |                |            |
|             |   | binding protein (TBP)-associated                        |           | J              |            |
|             |   | factor, RNA polymerase II, I,                           |           |                |            |
|             | ٠.                                      | 28kD /FL=gb:D63705.1                                    | 1.0       |                | <b>.</b> , |
| *           |   | gb:NM_005643.1 gb:AF118094.1                            | .*        |                | 4.         |
|             | , |   |           |                |            |
| 209379_s_at | 0.034721                                | gb:AF241785.1 /DEF=Homo                                 | AF241785  |                | NP 061872  |
|             |   | sapiens NPD012 (NPD012)                                 |           |                | _          |
|             | ,                                       | mRNA, complete cds.                                     |           |                |            |
|             | 9                                       | /FEA=mRNA /GEN=NPD012                                   | 0         |                |            |
|             | ,                                       | /PROD=NPD012  |           |                |            |
| 1 d y       |   | /DB_XREF=gi:12005486                                    |           |                |            |
|             | ŀ                                       | /UG=Hs.81897 KIAA1128 protein                           | ;         |                |            |
|             | }                                       | •   |           | *              |            |
| 200200 v at | 0.034721                                | /FL=gb:AF241785.1<br>gb:M15887.1 /DEF=Human             | M15887    | <del> </del>   | NP 065438  |
| 209389_x_at | 0.034721                                | 9   | IVI 13007 | 1              | NP_005436  |
|             |   | endozepine (putative ligand of                          | ٠.        | · ·            |            |
| · X ·       |   | benzodiazepine receptor) mRNA,                          | -00       |                | · .        |
|             | (.                                      | complete cds. /FEA=mRNA                                 | ·         | •              | 1          |
| 1:          |   | /DB_XREF=gi:181960                                      |           | 1              | 100        |
| •           |   | /UG=Hs.78888 diazepam binding                           |           |                |            |
|             | . '                                     | inhibitor (GABA receptor                                |           |                | )          |
| · ·         |   | modulator, acyl-Coenzyme A                              |           |                | ٠,         |
| :           |   | binding protein) /FL=gb:M15887.1                        |           |                |            |
|             |   | (   | [ .       |                | 1          |
| 8           |   | *   |           | *              | 111        |
| 209430_at   | 0.046749                                | Consensus includes                                      | AJ001017  |                | NP_003963  |
|             | -                                       | gb:AJ001017.2 /DEF=Homo                                 |           | 1              |            |
| 1           |   | sapiens partial mRNA for TBP-                           |           |                |            |
|             | *                                       | associated factor 170                                   | <b>.</b>  |                | 1          |
|             |   | (TAFII170). /FEA=mRNA                                   |           | l              |            |
|             |   | /GEN=TAFII170 /PROD=TBP                                 |           |                |            |
|             | 1                                       | associated factor                                       | 1         |                | *          |
| . •         |   | /DB XREF=gi:7018281                                     | 3         |                |            |
| İ           | Į                                       | //UG=Hs.180930 TBP-associated                           |           |                | 9          |
|             |   |   | ]         |                |            |
|             | l                                       | factor 172 /FL=gb:AF038362.1                            | L         |                | 1          |

|             |          | ng to Figure 19 - Coronary Artery |           |           |           |
|-------------|----------|-----------------------------------|-----------|-----------|-----------|
| G ne        | p-valu   | Description                       | Gene      | Unigene   | Protein   |
| ld ntifi r  |          | ,                                 | Accession | Accession | Accession |
| ····        |          |                                   | No.       | No.       | No.       |
| 209434_s_at | 0.023856 | gb:U00238.1 /DEF=Homo             | U00238    |           | NP_002694 |
|             |          | sapiens glutamine PRPP            |           | <u> </u>  |           |
|             |          | amidotransferase (GPAT) mRNA,     | 1         |           |           |
|             |          | complete cds. /FEA=mRNA           | 7         | ***       | . 1       |
|             | 1        | /GEN=GPAT /PROD=glutamine         |           |           |           |
|             |          | PRPP amidotransferase             |           | 1         |           |
|             | 1        | /DB_XREF=gi:404860                | •         |           |           |
|             | İ        | /UG=Hs.311 phosphoribosyl         |           |           | -         |
|             | i .      | pyrophosphate amidotransferase    | Ť         | ,         |           |
|             |          | /FL=gb:U00238.1                   | 2         |           | ł         |
| v           |          | // L-gb.000230.1                  |           |           |           |
| 209436_at   | 0.040425 | Consensus includes                | AB018305  |           | NP 006099 |
| 209430_at   | 0.043423 | gb:AB018305.1 /DEF=Homo           | AB0 10303 |           | WE_000098 |
|             |          | sapiens mRNA for KIAA0762         |           |           | i ·       |
| •           |          | protein, partial cds. /FEA=mRNA   |           | 9 ,       |           |
|             |          | 1.                                | 1         | *         | _F        |
| * · *       | *        | /GEN=KIAA0762                     |           | }         | •         |
| 1           |          | /PROD=KIAA0762 protein            |           | * *       |           |
| 4 .         | -115     | /DB_XREF=gi:3882244               |           |           | *         |
|             |          | /UG=Hs.5378 spondin 1, (f-        | •         |           |           |
| • 0         |          | spondin) extracellular matrix     |           | 300       |           |
|             |          | protein /FL=gb:AB051390.1         | i.        |           |           |
| 209447_at   | 0.046749 | gb:AF043290.1 /DEF=Homo           | AF043290  |           | NP_598411 |
|             |          | sapiens lymphocyte membrane       |           | 2         |           |
|             |          | associated protein (8B7) mRNA,    |           | 1         | }         |
|             |          | complete cds. /FEA=mRNA           | •         | 1         |           |
|             |          | /GEN=8B7 /PROD=lymphocyte         |           | •         | •         |
|             |          | membrane associated protein       |           | ·         |           |
| •           | Θ        | /DB_XREF=gi:2895592               | : *       |           |           |
|             |          | /UG=Hs.8182 synaptic nuclei       |           | 1         | 0         |
|             |          | expressed gene 1b                 | 1.        | ł         | ł         |
|             |          | /FL=gb:AF043290.1                 |           |           |           |
| •           |          | , - 9                             |           |           |           |
| 209457_at   | 0.018023 | gb:U16996.1 /DEF=Human            | U16996    |           | NP_004410 |
|             | 0.0.0040 | protein tyrosine phosphatase      |           | 4         | -00 14 10 |
| ·           |          | mRNA, complete cds.               |           | *.        |           |
|             | 1        | /FEA=mRNA /PROD=protein           |           | i         |           |
|             | ,        | tyrosine phosphatase              |           |           |           |
|             |          | /DB XREF=gi:642012                | 1         |           |           |
|             |          |                                   |           |           | 1         |
|             |          | /UG=Hs.2128 dual specificity      |           |           |           |
|             |          | phosphatase 5                     |           |           |           |
|             | [        | /FL=gb:NM_004419.2                | 0         |           | (         |
| •           |          | gb:U16996.1 gb:U15932.2           |           |           | L         |

|                    |          | ng to Figure 19 - Coronary Art ry I |                          | I I a same a same a same a same a same a same a same a same a same a same a same a same a same a same a same a | Duis 4 s tis                |
|--------------------|----------|-------------------------------------|--------------------------|--|-----------------------------|
| Gene<br>Identifier | p-value  | Description                         | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No.  | Protein<br>Accession<br>No. |
| 209477 at          | 0.018444 | gb:BC000738.1 /DEF=Homo             | BC000738                 | INO.   | NP_000108                   |
| 203411_at          | 0.01047  | sapiens, emerin (Emery-Dreifuss     |                          | y  |                             |
|                    |          | muscular dystrophy), clone          |                          |  |                             |
| , ,                |          | MGC:2126, mRNA, complete            |                          |  | \$ <sup>75</sup>            |
|                    |          | cds. /FEA=mRNA /PROD=emerin         |                          |  |                             |
|                    | *        |                                     | *                        |  | *                           |
|                    |          | (Emery-Dreifuss muscular            | 10                       | -()  |                             |
|                    |          | dystrophy)                          |                          |  |                             |
|                    |          | /DB_XREF=gi:12653890                |                          |  |                             |
|                    |          | /UG=Hs.2985 emerin (Emery-          |                          |  | *                           |
| *                  | =        | Dreifuss muscular dystrophy)        |                          |  |                             |
| •                  |          | /FL=gb:BC000738.1                   |                          |  |                             |
|                    |          | gb:NM_000117.1                      |                          |  |                             |
| 209489_at          | 0.018023 | CUG triplet repeat, RNA binding     | N25915                   | Hs.81248   | NP_006551                   |
|                    |          | protein 1                           |                          |  |                             |
| 209503_s_at        | 0.038017 | gb:AF035309.1 /DEF=Homo             | AF035309                 | ***  |                             |
|                    |          | sapiens clone 23598 mRNA,           |                          | *  |                             |
|                    | -        | complete cds. /FEA=mRNA             |                          |  |                             |
|                    |          | /DB_XREF=gi:2661070                 |                          | ·  |                             |
|                    |          | /UG=Hs.79387 proteasome             |                          |  |                             |
|                    | 200      | (prosome, macropain) 26S            | -                        |  | -)(-                        |
|                    |          | subunit, ATPase, 5                  | Ţ                        | *  | Ì                           |
|                    |          | /FL=gb:AF035309.1                   |                          |  |                             |
| 209534_x_at        | 0.025284 | A kinase (PRKA) anchor protein 13   | BF222823                 | Hs.301946  | NP_658913                   |
| 209535_s_at        | 0.036354 | gb:AF127481.1 /DEF=Homo             | AF127481                 |  | NP_658913                   |
| 209030_S_at        | 0.030234 | sapiens non-ocogenic Rho            | AF 12/401                |  | in=_000à10                  |
|                    |          | GTPase-specific GTP exchange        |                          |  |                             |
|                    | (2)      |                                     |                          | *  |                             |
|                    | 1.       | factor (proto-LBC) mRNA,            | *                        | 9  |                             |
| •                  |          | complete cds. /FEA=mRNA             |                          |  |                             |
|                    |          | /GEN=proto-LBC /PROD=non-           |                          |  | 0.                          |
|                    |          | ocogenic Rho GTPase-specific        |                          |  |                             |
|                    | .*       | GTP exchangefactor                  |                          |  |                             |
|                    |          | /DB_XREF=gi:5199315                 |                          | ***  |                             |
|                    |          | /UG=Hs.301946 lymphoid blast        |                          |  |                             |
|                    |          | crisis oncogene                     |                          |  | 1                           |
|                    |          | /FL=gb:AF127481.1                   |                          |  |                             |
| 209584_x_at        | 0.018023 | gb:AF165520.1 /DEF=Homo             | AF165520                 | •  | NP_055323                   |
|                    |          | sapiens phorbolin I protein (PBI)   |                          | . 112  |                             |
|                    |          | mRNA, complete cds.                 |                          | * -  |                             |
|                    |          | /FEA=mRNA /GEN=PBI                  |                          |  |                             |
|                    |          | /PROD=phorbolin I protein           |                          |  |                             |
|                    |          | /DB_XREF=gi:9294746                 |                          |  |                             |
|                    |          | /UG=Hs.8583 similar to              |                          |  | 1.                          |
|                    |          | APOBEC1 /FL=gb:AF165520.1           | 1                        | 1  |                             |

| Gene List Co | rr spondir | ig to Figure 19 - Coronary Artery I | Disease   |              |           |
|--------------|------------|-------------------------------------|-----------|--------------|-----------|
| Gene         |            | Description                         | Gene      | Unigene      | Protein   |
| ld ntifier   |            | *                                   | Accession | Accession    | Accession |
|              |            |                                     | No.       | No.          | No.       |
| 209586_s_at  | 0.046749   | gb:AF123539.1 /DEF=Homo             | AF123539  | 1.10.        | NP 067045 |
|              |            | sapiens clone 143 prune protein     |           | 4            |           |
| :            |            | mRNA, complete cds.,                | · ·       |              | ļ         |
|              |            | alternatively spliced. /FEA=mRNA    |           |              | ! !       |
|              | 9          | /PROD=prune protein                 |           |              |           |
|              |            | /DB XREF=gi:12655791                | }         |              |           |
|              |            | /UG=Hs.78524 TcD37 homolog          |           |              | <u> </u>  |
|              |            | /FL=gb:AF123539.1                   |           | 1            |           |
| 209608 s at  | 0.018023   | gb:BC000408.1 /DEF=Homo             | BC000408  |              | NP_005882 |
| 203000_S_at  | 0.010023   | sapiens, acetyl-Coenzyme A          | BC000400  |              | NF_003662 |
|              | •          |                                     | . "       |              |           |
|              |            | acetyltransferase 2 (acetoacetyl    | (         | Ì            |           |
|              |            | Coenzyme A thiolase), clone         |           |              | 100       |
|              | ,          | MGC:8573, mRNA, complete            |           | İ            |           |
| 9            |            | cds. /FEA=mRNA /PROD=acetyl-        |           | '            | ,         |
| ·            |            | Coenzyme A acetyltransferase        | [         | 1            |           |
|              |            | 2(acetoacetyl Coenzyme A            |           |              |           |
| * .          |            | thiolase) /DB_XREF=gi:12653278      |           |              |           |
|              | * '        | /UG=Hs.278544 acetyl-Coenzyme       |           |              |           |
| · or the inc | ٠,         | A acetyltransferase 2               |           | * .          |           |
| ļ. ·         | }          | (acetoacetyl Coenzyme A             |           |              |           |
| ->           |            | thiolase) /FL=gb:BC000408.1         |           |              |           |
|              | <u> </u>   |                                     |           |              |           |
| 209626_s_at  |            | oxysterol binding protein-like 3    | AI202969  | Hs.197955    | NP_663164 |
| 209627_s_at  | 0.034317   | gb:AY008372.1 /DEF=Homo             | AY008372  |              | NP_663164 |
|              |            | sapiens oxysterol binding protein-  |           |              | -'        |
|              |            | related protein 3 (ORP3) mRNA,      | 1.        |              | ,         |
| 0.           |            | complete cds. /FEA=mRNA             |           | ·            |           |
| , 1          |            | /GEN=ORP3 /PROD=oxysterol           |           | i            | 1         |
|              |            | binding protein-related protein 3   |           |              |           |
|              |            | /DB_XREF=gi:10880972                | · '       |              |           |
|              |            | /UG=Hs.197955 KIAA0704              |           |              |           |
|              |            | protein /FL=gb:AY008372.1           | i         |              |           |
|              |            | 3                                   |           |              |           |
| 209705_at    | 0.026013   | Consensus includes                  | AF073293  | 1            | NP_031384 |
|              |            | gb:BG033764 /FEA=EST                |           |              |           |
|              |            | /DB_XREF=gi:12426228                |           |              | -         |
|              |            | /DB_XREF=est:602302025F1            | }         |              |           |
|              |            | /CLONE=IMAGE:4403238                |           |              |           |
| ]            | ļ          | /UG=Hs.31016 putative DNA           | j         |              | ]         |
| , , ,        |            | binding protein                     |           | ,            |           |
| 1 .          | }          | /FL=gb:AF073293.1                   |           | 1            |           |
| 209741_x_at  | 0.034721   | gb:AF119814.1 /DEF=Homo             | AF119814  | <del> </del> | NP 065894 |
| 1200171_^al  | 0.004721   | sapiens MSTP063 mRNA,               | / 113014  | 1            |           |
|              |            | complete cds. /FEA=mRNA             |           |              |           |
| 1            | 1          | /PROD=MSTP063                       |           | 1            | }         |
|              |            |                                     |           | 9            |           |
| l            |            | //DB_XREF=gi:12056567               |           | 1            | }         |
|              |            | /UG=Hs.285848 KIAA1454              | *         | 1            |           |
|              | L          | protein /FL=gb:AF119814.1           | <u> </u>  |              | <u> </u>  |

|             |            | ng to Figure 19 - Coronary Artery  |            |   |           |
|-------------|------------|------------------------------------|------------|---|-----------|
| Gen         | p-value    | Description                        | Gene       | Unig ne                                 | Protein   |
| ldentifi r  |            |                                    | Accession  | Accession                               | Accession |
|             |            | '                                  | No.        | No.                                     | No.       |
| 209780 at   | 0.034721   | gb:AL136883.1 /DEF=Homo            | AL136883   |   | NP 065165 |
|             |            | sapiens mRNA; cDNA                 |            |   | 7         |
|             | ;<br>}     | DKFZp434D166 (from clone           |            |   | *         |
|             | <b>l</b> . | DKFZp434D166); complete cds.       |            | i ·                                     |           |
|             |            | /FEA=mRNA                          |            |   | - 30      |
|             |            | /GEN=DKFZp434D166                  |            |   |           |
| * · · ·     | ***        | /PROD=hypothetical protein         |            |   | ,         |
|             |            |                                    | · () · · · |   |           |
| .•          | 1          | /DB_XREF=gi:12053266               | · .        | •                                       |           |
|             | - 30       | /UG=Hs.128653 hypothetical         | 0          |   |           |
|             |            | protein DKFZp564F013               |            |   |           |
| -           |            | /FL=gb:AL136883.1                  |            |   |           |
| 209791_at   | 0.034721   | Consensus includes                 | AL049569   |   |           |
| 80          | l e        | gb:AL049569 /DEF=Human DNA         |            |   |           |
|             |            | sequence from clone RP1-           |            |   |           |
|             |            | 37C10 on chromosome 1p35.2-        |            |   |           |
| . *         |            | 35.21. Contains the gene for       |            |   |           |
|             | •          | the ortholog of mouse and rat      | ,          | * .                                     |           |
|             | . (        | PDI (protein-arginine deiminase    |            |   | 8         |
|             | }          | (KIAA0994, EC 3.5.3.15,            |            |   |           |
|             |            | peptidylarginine deiminase)), the  | · .        |   |           |
|             |            | SDHB gene for succinate            |            | 1                                       |           |
| . =         |            | dehydrogenase /FEA=mRNA_4          | ,          | 2                                       |           |
| 0           |            | /DB_XREF=gi:5263031                |            | * .                                     |           |
|             |            | /UG=Hs.33455 peptidyl arginine     |            | * =                                     |           |
|             |            | deiminase, type II                 | ,          | , e/*                                   |           |
| 5<br>(%)    | 1          | /FL=gb:AB030176.1                  |            |   |           |
|             | . 1        | //FL-gb.Ab0301/0.1                 |            |   |           |
| 209815_at   | 0.019444   | Consensus includes                 | 1142440    | 40.736                                  | ND 000255 |
| 2090 15_at  | 0.010444   |                                    | U43148     |   | NP_000255 |
| * /         |            | gb:BG054916 /FEA=EST               | · .        |   |           |
|             |            | /DB_XREF=gi:12512119               | ·          | ,                                       | ÷         |
|             | -          | /DB_XREF=est:nac92b02.x1           |            | *                                       |           |
|             | \          | /CLONE=IMAGE:3441723               |            | 1                                       |           |
| •           |            | /UG=Hs.159526 patched              |            |   |           |
|             |            | (Drosophila) homolog               |            | 1 |           |
|             |            | /FL=gb:U43148.1                    | I          |   |           |
| 209824_s_at | 0.034721   | 10                                 | AB000812   |   | NP_001169 |
|             |            | sapiens mRNA for BMAL1b,           |            | · ·                                     |           |
|             |            | complete cds. /FEA=mRNA            |            |   | 0         |
|             |            | /PROD=BMAL1b                       | 00.5       |   |           |
| ä           |            | /DB_XREF=gi:2094734                | -          | •                                       |           |
| . *         |            | /UG=Hs.74515 aryl hydrocarbon      |            | 1                                       | ~         |
| • • •       |            | receptor nuclear translocator-like | ,          | ٠                                       |           |
|             |            | /FL=gb:AB000812.1                  |            | . *                                     | 1 '       |
|             | 1          | gb:AF044288.1                      | 1          | 1                                       | 1         |

| Gene List Co | rrespondir | ng to Figure 19 - Coronary Artery I | Disease    |           | <u>.</u>    |
|--------------|------------|-------------------------------------|------------|-----------|-------------|
| Gene         |            | Description                         | Gene       | Unigene   | Protein     |
| ldentifi r   |            |                                     | Acc ssion  | Accession | Accession   |
|              |            |                                     | No.        | No.       | No.         |
| 209835_x_at  | 0.034721   | gb:BC004372.1 /DEF=Homo             | BC004372   |           | NP_000601   |
| ·            |            | sapiens, Similar to CD44            |            |           | -           |
|              |            | antigen (homing function and        |            |           |             |
|              |            | Indian blood group system),         | [          | ĺ         |             |
|              | -          | clone MGC:10468, mRNA,              |            |           |             |
| į.           | ·          | complete cds. /FEA=mRNA             | +-1        | •         | 9.          |
|              |            | /PROD=Similar to CD44 antigen       |            |           | ł           |
|              |            | (homing function andIndian blood    | 1          | - 0       |             |
|              |            | group system)                       |            |           |             |
|              |            | /DB_XREF=gi:13325117                |            |           |             |
|              |            | /UG=Hs.169610 CD44 antigen          |            |           |             |
|              | -          | (homing function and Indian         |            | -         |             |
|              |            | blood group system)                 | ]          | 1         | !           |
|              |            | /FL=gb:BC004372.1                   |            | e teamen  |             |
| 209839_at    | 0.034721   | gb:AL136712.1 /DEF=Homo             | AL136712   |           | NP 056384   |
| 200000_at    | 0.00-121   | sapiens mRNA; cDNA                  | AL 1507 12 |           | NF_030304   |
|              |            | DKFZp566K013 (from clone            |            |           |             |
|              |            | DKFZp566K013); complete cds.        |            | • • •     | 0. <b>*</b> |
|              | -          | /FEA=mRNA                           |            |           |             |
| <b>%</b> .   |            |                                     |            |           | - ),-       |
|              |            | /GEN=DKFZp566K013                   | <b>)</b>   |           | *           |
|              | ·          | /PROD=hypothetical protein          | *          |           |             |
|              | 1.         | /DB_XREF=gi:12052943                |            | * .       |             |
|              |            | /UG=Hs.33578 KIAA0820 protein       |            |           |             |
| 200000       | 0.040740   | /FL=gb:AL136712.1                   | D0004000   |           | ND 05540    |
| 209862_s_at  | 0.046749   |                                     | BC001233   |           | NP_055494   |
|              |            | sapiens, Similar to KIAA0092        |            |           | [ .         |
|              | ,          | gene product, clone MGC:4896,       |            |           |             |
|              |            | mRNA, complete cds.                 | ļ          |           |             |
|              |            | /FEA=mRNA /PROD=Similar to          | •          | ,         |             |
|              |            | KIAA0092 gene product               | 1          | *         |             |
| 0            | ·          | /DB_XREF=gi:12654780                |            | , v       |             |
|              |            | /UG≃Hs.134158 Homo sapiens,         |            |           |             |
|              |            | Similar to KIAA0092 gene            | !          |           | <b>!</b> .  |
| . "          |            | product, clone MGC:4896,            |            | 1         |             |
|              | 1-1        | mRNA, complete cds                  | œ.         |           | ŀ           |
|              |            | /FL=gb:BC001233.1                   |            |           |             |
|              |            |                                     |            | ,         | *           |
| 209881_s_at  | 0.03002    | gb:AF036905.1 /DEF=Homo             | AF036905   | 1         | NP_055202   |
|              |            | sapiens linker for activation of T  |            |           |             |
|              | ,          | cells (LAT) mRNA, complete          | [          |           |             |
|              |            | cds. /FEA=mRNA /GEN=LAT             |            | 0         | ·. 6 . (    |
|              |            | /PROD=LAT                           |            | ·         |             |
| * •          |            | /DB_XREF=gi:2828023                 | · ·        | 1         |             |
|              |            | /UG=Hs.83496 linker for             |            |           |             |
| *            |            | activation of T cells               | 1          |           |             |
|              |            | /FL=gb:AF036905.1                   | J.         | 1         |             |

|                    |          | ng to Figure 19 - Coronary Artery                       |           |           | Ducto     |
|--------------------|----------|---|-----------|-----------|-----------|
| Gene               | p-value  | Description   | Gene      | Unigene   | Protein   |
| ldentifier         | - Y      |   | Accession | Accession | Accession |
|                    |          | * * *   | No.       | No.       | No.       |
| 209892_at          | 0.02008  | Consensus includes                                      | AF305083  | 1         | NP_002024 |
|                    |          | gb:AF305083.1 /DEF=Homo                                 | -,        |           |           |
|                    |          | sapiens alpha(1,3)-                                     |           |           |           |
| 10                 |          | fucosyltransferase IV (FUTIV)                           | ÷'        |           |           |
| * i                |          | gene, 3 UTR. /FEA=mRNA                                  | ,         |           |           |
|                    |          | /DB_XREF=gi:11096240                                    |           |           | 1         |
|                    |          | /UG=Hs.2173 fucosyltransferase                          |           |           | 1.        |
| *                  | _        | 4 (alpha (1,3) fucosyltransferase,                      |           |           |           |
| *                  | ]        | myeloid-specific)                                       |           |           |           |
|                    | -        | /FL=gb:M58596.1 gb:M58597.1                             |           |           |           |
|                    | *        | gb:NM_002033.1  |           |           | ÷ ·       |
| 209903_s_at        | 0.034721 | gb:U49844.1 /DEF=Human FRAP                             | 1140044   |           | ND 001175 |
| 209903_S_at        | 0.034721 |   | 049044    |           | NP_001175 |
|                    |          | related protein (FRP1) mRNA,                            |           | 101       | . **      |
| •                  |          | complete cds. /FEA=mRNA                                 |           |           | • =       |
|                    |          | /GEN=FRP1 /PROD=FRAP-                                   | -         |           |           |
|                    |          | related protein   |           |           | *         |
|                    | ·        | /DB_XREF=gi:1235901                                     |           | *         |           |
|                    |          | /UG=Hs.77613 ataxia                                     |           | *         |           |
|                    |          | telangiectasia and Rad3 related                         |           |           |           |
|                    |          | /FL=gb:U49844.1 gb:U76308.1                             |           |           |           |
| •                  |          | gb:NM_001184.1  |           |           | · .       |
| 209969_s_at        | 0.018023 | gb:BC002704.1 /DEF=Homo                                 | BC002704  |           | NP_644671 |
| Y <sub>1</sub> · · |          | sapiens, Similar to signal                              | 4         | l .       |           |
|                    |          | transducer and activator of                             |           | J. 1      |           |
| •                  | *        | transcription 1, 91kD, clone                            |           |           |           |
| •                  |          | MGC:3493, mRNA, complete                                |           | '         |           |
|                    | T-E      | cds: /FEA=mRNA /PROD=Similar                            | •         |           |           |
|                    | . (      | to signal transducer and                                | 'a' a     |           |           |
|                    |          | activator oftranscription 1, 91kD                       | •         | •         |           |
| •                  | ·        | /DB XREF=gi:12803734                                    | · ·       |           | . 9       |
| *                  |          | /UG=Hs.21486 signal transducer                          |           |           |           |
|                    | Ų.       | and activator of transcription 1,                       |           |           |           |
|                    |          | 91kD /FL=gb:BC002704.1                                  |           |           |           |
|                    |          |   |           |           |           |
|                    |          | . 45  | *         |           |           |
| 210007_s at        | 0.045316 | gb:U36310.1 /DEF=Human                                  | U36310    |           | NP_000399 |
| 210007_s_at        | 0.043310 | glycerol-3-phosphate                                    | 030310    |           | NF_000398 |
|                    |          | 1 - 1   |           |           |           |
|                    | *        | dehydrogenase mRNA, nuclear gene encoding mitochondrial | . ,       |           |           |
| •                  |          | 10  |           |           | e         |
| : <b>'</b>         |          | protein, complete cds.                                  |           |           |           |
|                    |          | /FEA=mRNA /PROD=glycerol-3-                             |           | *         | *         |
|                    |          | phosphate dehydrogenase                                 | 100       |           |           |
|                    |          | /DB_XREF=gi:1020314                                     |           |           | [         |
|                    |          | /UG=Hs.93201 glycerol-3-                                | 1         |           |           |
|                    |          | phosphate dehydrogenase 2                               | 1         | 8         |           |
|                    |          | (mitochondrial) /FL=gb:U36310.1                         |           |           |           |

|             |            | ng to Figure 19 - Coronary Art ry |            | 4         |             |
|-------------|------------|-----------------------------------|------------|-----------|-------------|
| Gene        | p-value    | D scription                       | Gene       | Unigene   | Protein     |
| Identifier  |            | 00                                | Accession  | Accession | Accession   |
|             | *          |                                   | No.        | No.       | No.         |
| 210038 at   | 0.018693   | Consensus includes                | AL137145   | 1         | 110.        |
|             |            | gb:AL137145 /DEF=Human DNA        |            |           | J           |
|             | -          | sequence from clone RP11-         |            |           |             |
|             | . *        | 563J2 on chromosome 10            |            |           |             |
| ,           |            | Contains ESTs, STSs, GSSs         |            |           |             |
| . •         | <u> </u>   | and a CpG island. Contains a      | 1. 2       |           | , .         |
|             |            | novel pseudogene and the 3        |            |           | 4.          |
| 4.          |            |                                   |            |           |             |
|             |            | part of the PRKCQ gene for        |            |           | d ·         |
|             |            | protein kinase C theta            |            |           |             |
|             |            | /FEA=mRNA                         | 10         |           |             |
|             | 1.2        | /DB_XREF=gi:9581557               | • •        | İ         |             |
| e e         |            | /UG=Hs.211593 protein kinase      | · ·        |           |             |
| 1           | - 1        | C, theta /FL=gb:L07032.1          | }.         | 1         |             |
|             |            | gb:NM_006257.1_gb:L01087.1_       |            |           |             |
| 210046_s_at | 0.018023   | gb:U52144.1 /DEF=Human            | U52144     |           |             |
| ~ -         |            | isocitrate dehydrogenase mRNA,    | ,          |           |             |
|             | 1.         | complete cds. /FEA=mRNA           |            |           |             |
| <u>₹</u>    | •          | /PROD=isocitrate dehydrogenase    |            |           |             |
|             | <b> </b> ' | /DB_XREF=gi:1277202               | ł          | 1         | ٠.          |
|             | ļ          | /UG=Hs.5337 isocitrate            |            | •         |             |
|             |            | dehydrogenase 2 (NADP+),          |            |           |             |
| 4           |            | mitochondrial /FL=gb:U52144.1     |            | -         |             |
|             | • •        |                                   |            |           |             |
| 210057_at   | 0.038017   | gb:U32581.2 /DEF=Homo             | U32581     | +         | NP 055907   |
| 210057_at   | 0.036017   | 1*                                | 1032361    |           | וטפפפט_קאון |
|             | [ ·        | sapiens lambdaiota protein        |            | 1:        |             |
|             |            | kinase C-interacting protein      | *          |           |             |
|             | ]          | mRNA, complete cds.               |            |           |             |
|             | ,          | /FEA=mRNA /PROD=lambdaiota        |            |           |             |
| .02         |            | protein kinase C-                 | <b>j</b> . |           |             |
| :           |            | interactingprotein                | [ ·        |           | [.          |
| •           | 1          | /DB_XREF=gi:5542015               | )(-        |           | 1.          |
|             |            | /UG=Hs.168052 KIAA0421            | ,          | -00       |             |
|             |            | protein /FL=gb:U32581.2           |            |           |             |
| 210105_s_at | 0.025284   | gb:M14333.1 /DEF=Homo             | M14333     |           | NP_694593   |
|             |            | sapiens c-syn protooncogene       | · ·        |           | ) —         |
|             |            | mRNA, complete cds.               |            |           |             |
|             | ,          | /FEA=mRNA                         |            |           |             |
|             |            | /DB_XREF=gi:181171                | 1          |           |             |
|             |            | /UG=Hs.169370 FYN oncogene        | 1          | 1         |             |
| 1 .         |            | related to SRC, FGR, YES          | 1          | 1 .       |             |
|             |            | /FL=gb:M14333.1 gb:M14676.1       | J -        |           | ]           |
|             | 0          |                                   |            |           |             |
|             |            | gb:NM_002037.1                    |            |           | L           |

|                |          | ng to Figure 19 - Coronary Artery I |           | Unigene                                | Protein      |
|----------------|----------|-------------------------------------|-----------|--|--------------|
| Gen            | p-value  | Description                         | Gene      | Unigene                                |              |
| ld ntifier     |          |                                     | Accession | Accession                              | Accession    |
|                |          |                                     | No.       | No.                                    | No.          |
| 210116_at      | 0.036254 | gb:AF072930.1 /DEF=Homo             | AF072930  |  | NP_002342    |
| المنتج الأجياء |          | sapiens clone 14 T cell signal      |           | ··· ·· · · · · · · · · · · · · · ·     | -            |
| - <u>·</u>     | 8        | transduction molecule SAP           |           | , 3                                    |              |
|                |          | mRNA, complete cds.                 |           |  |              |
|                |          | /FEA=mRNA /PROD=T cell              |           | -                                      |              |
|                |          | signal transduction molecule        |           |  |              |
|                |          | SAP /DB_XREF=gi:3695068             |           |  |              |
|                |          | /UG=Hs.151544 SH2 domain            |           |  |              |
|                | *        |                                     |           |  |              |
| •              |          | protein 1A, Duncans disease         | **        | 1                                      |              |
|                |          | (lymphoproliferative syndrome)      | - 2       |  | -            |
|                |          | /FL=gb:AF072930.1                   | e         |  | ;            |
|                |          | gb:AF073019.1 gb:AF100541.1         |           |  | · ·          |
|                |          | gb:NM_002351.1                      |           |  |              |
| 210137_s_at    | 0.018023 | gb:BC001286.1, /DEF=Homo            | BC001286  |  | NP_001912    |
| •              |          | sapiens, Similar to dCMP            |           |  | • 0          |
| ·              |          | deaminase, clone MGC:5160,          |           |  | 1            |
|                |          | mRNA, complete cds.                 |           | -                                      | *            |
| *              |          | /FEA=mRNA /PROD=Similar to          |           |  |              |
|                | ļ ·      | dCMP deaminase                      |           |  | 1            |
| •              |          | /DB_XREF=gi:12654884                | . *       |  | 9            |
| • •            |          | /UG=Hs.76894 dCMP deaminase         |           |  |              |
| • •            |          | /FL=gb:BC001286.1                   |           |  |              |
| 210148 at      | 0.025294 | gb:AF305239.1 /DEF=Homo             | AF305239  |  | NP 005725    |
| 2 10 140_at    | 0.023204 | 1 -                                 | AI 303239 |  | NF_003723    |
|                | · ·      | sapiens Fas-interacting             |           | ľ                                      | 1            |
|                |          | serinethreonine kinase 3 (FIST3)    |           |  | •            |
| 8 - 1          |          | mRNA, complete cds.                 |           |  |              |
|                | 1.       | /FEA=mRNA /GEN=FIST3                |           | 7                                      | 1            |
|                | ľ        | /PROD=Fas-interacting               | -66       |  | •            |
|                |          | serinethreonine kinase 3            |           |  |              |
|                |          | /DB_XREF=gi:10998781                |           |  | 1            |
|                |          | /UG≈Hs.30148 homeodomain-           | 1         |  |              |
|                |          | interacting protein kinase 3        |           |  | 9            |
|                |          | /FL=gb:AF305239.1                   |           |  |              |
| 210193 at      | 0.034317 | gb:D28114.1 /DEF=Human              | D28114    | ************************************** | NP_006492    |
| _              |          | mRNA for MOBP (myelin-              |           |  | <del>-</del> |
|                | İ        | associated oligodendrocytic basic   |           | *                                      |              |
|                | ·.       | protein), complete cds, clone       |           | 100                                    |              |
|                |          | hOPRP2. /FEA=mRNA                   | ,         | 1.                                     |              |
|                |          |                                     |           |  | ,            |
|                |          | /PROD=MOBP                          |           | 1                                      |              |
|                |          | /DB_XREF=gi:662277                  |           |  | J            |
| 1.             |          | /UG=Hs.169309 myelin-               | 1         |  | 1 .          |
| 0.8.5          | 1.       | associated oligodendrocyte basic    |           | 32                                     |              |
|                | 1        | protein /FL=gb:D28114.1             |           |  |              |

|               |          | ng to Figure 19 - Coronary Artery |           | ļ         | <u> </u>                                |
|---------------|----------|-----------------------------------|-----------|-----------|---|
| G ne          | p-value  | Description                       | Gene      | Unigene   | Protein                                 |
| ldentifier    |          | ·                                 | Accession | Accession | Accession                               |
|               |          | •                                 | No.       | No.       | No.                                     |
| 210235_s_at   | 0.049425 | gb:U22815.1 /DEF=Human LAR-       | U22815    |           | NP_803172                               |
| ×             |          | interacting protein 1a mRNA,      |           |           |   |
|               |          | complete cds. /FEA=mRNA           |           |           |   |
|               | •        | /PROD=LAR-interacting protein     |           |           | 9                                       |
| •             |          | 1a /DB_XREF=gi:930340             | ·         |           |   |
|               |          | /UG=Hs.183648 protein tyrosine    |           |           |   |
|               |          | phosphatase, receptor type, f     | -         |           |   |
|               |          | polypeptide (PTPRF), interacting  |           | '         |   |
|               |          | protein (liprin), alpha 1         | -         | .4.       |   |
|               | *        |                                   | ,         |           |   |
| 0400574       | 0.040000 | /FL=gb:U22815.1                   | A 5040005 |           | ND COOFTS                               |
| 210257_x_at   | 0.018023 | gb:AF212995.1 /DEF=Homo           | AF212995  | ·         | NP_003579                               |
|               |          | sapiens cullin CUL4B (CUL4B)      |           |           |   |
|               |          | mRNA, complete cds.               | '         |           |   |
|               |          | /FEA=mRNA /GEN=CUL4B              |           |           |   |
|               |          | /PROD=cullin CUL4B                |           | *         | •                                       |
|               |          | /DB_XREF=gi:13259126              |           |           |   |
|               | Ī        | /UG=Hs,155976 cullin 4B           |           |           |   |
| •             |          | /FL=gb:AF212995.1                 | "         | \         | * |
| 210266 s at   | 0.025284 | gb:AF220137.1 /DEF=Homo           | AF220137  | χ.        | NP_148980                               |
|               |          | sapiens tripartite motif protein  |           |           | - <del>-</del>                          |
|               |          | TRIM33 beta mRNA, complete        | 1.        |           |   |
|               |          | cds; alternatively spliced.       |           |           |   |
|               |          | /FEA=mRNA /PROD=tripartite        |           |           |   |
|               |          | motif protein TRIM33 beta         |           |           |   |
|               |          | /DB_XREF=gi:12407442              |           |           |   |
| or the second |          | /UG=Hs.287414 transcriptional     |           |           | -                                       |
|               |          |                                   | `         |           |   |
|               | - (      | intermediary factor 1 gamma       |           |           |   |
| 040070        | 0.040740 | /FL=gb:AF220137.1                 | 45004000  | <u> </u>  | NE OLOGO                                |
| 210276_s_at   | 0.046749 | gb:AF281030.1 /DEF=Homo           | AF281030  | 1.        | NP_619538                               |
|               | - 20     | sapiens Tara mRNA, complete       |           | 4.0       |   |
|               |          | cds. /FEA=mRNA /PROD=Tara         |           |           |   |
| •             |          | /DB_XREF=gi:12006357              |           |           |   |
|               |          | /UG=Hs.40342 putative nuclear     |           | •         |   |
|               |          | protein /FL=gb:AF281030.1         |           |           |   |
| 41            |          | gb:BC003618.1                     |           |           |   |
| 210279_at     | 0.018023 | gb:AF261135.1 /DEF=Homo           | AF261135  | 00 1      | NP_005283                               |
|               |          | sapiens GPR18-iso mRNA,           |           |           | · · · · · .                             |
|               |          | complete cds. /FEA=mRNA           |           |           |   |
|               |          | /PROD=GPR18-iso                   |           |           |   |
|               |          | /DB XREF=gi:12005919              |           |           | × .                                     |
|               |          | /UG=Hs.88269 Homo sapiens         |           |           |   |
|               |          | clone IMAGE:1837189, mRNA         |           |           |   |
|               |          | sequence /FL=gb:AF261135.1        |           |           |   |
|               | L        | Isequelice /FL-gb.AF201133.1      |           | 1         | l                                       |

|                 |   | ng t Figur 19 - Coronary Artery I  |           |           |             |
|-----------------|---|------------------------------------|-----------|-----------|-------------|
| Gene            | p-value                                 | Description                        | G ne      | Unigene   | Protein     |
| ldentifier      |   |                                    | Acc ssion | Accession | Accession   |
|                 |   |                                    | No.       | No.       | No.         |
| 210285 x at     | 0.034721                                | gb:BC000383.1 /DEF=Homo            | BC000383  |           | NP_690597   |
|                 |   | sapiens, Wilms tumour 1-           |           |           | / - ×       |
|                 |   | associating protein, clone         | *         |           |             |
|                 |   | MGC:8419, mRNA, complete           | - × *     |           | * * .       |
|                 |   | cds. /FEA=mRNA /PROD=Wilms         | 7         |           |             |
|                 |   |                                    | *         |           | • .         |
|                 |   | tumour 1-associating protein       | 0.        |           |             |
|                 |   | /DB_XREF=gi:12653228               |           |           |             |
|                 |   | /UG=Hs.119 Wilms tumour 1-         |           | -X**      | 4.          |
| E (¥)           |   | associating protein                |           |           |             |
|                 | . •                                     | /FL=gb:BC000383.1                  | ·         |           |             |
|                 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | gb:BC004432.1                      |           |           | -           |
|                 | -                                       |                                    |           |           |             |
| 210321 at       | 0.045316                                | gb:M36118.1 /DEF=Human             | M36118    |           | ÷           |
| <del>-</del> -, | •                                       | cytotoxin serine protease-C        |           |           |             |
| 9               | ,                                       | mRNA, complete cds.                |           |           |             |
| :               |   | /FEA=mRNA                          | 191       |           |             |
|                 |   | /DB_XREF=gi:181163                 |           |           | Y           |
| *               |   | /UG=Hs.1051 granzyme B             | 0         | 9         | *.          |
|                 |   |                                    |           |           | -           |
| ***             |   | (granzyme 2, cytotoxic T-          |           |           |             |
| •               | 2                                       | lymphocyte-associated serine       |           |           |             |
|                 | 1                                       | esterase 1) /FL=gb:M36118.1        |           |           |             |
| 210354_at       | 0.018222                                | gb:M29383.1 /DEF=Human             | M29383    |           | NP_000610   |
|                 |   | interferon-gamma (HuIFN-           | ,         | (7)       |             |
| , 54            |   | gamma) mRNA, complete cds.         |           |           |             |
|                 |   | /FEA=mRNA                          | •         |           |             |
|                 |   | /DB_XREF=gi:186514                 |           | 8         |             |
|                 | •                                       | /UG=Hs.856 interferon, gamma       |           |           |             |
|                 | •                                       | /FL=gb:NM_000619.1                 |           |           |             |
|                 | ,                                       | gb:M29383.1                        |           | .00       |             |
| 210357_s_at     | 0.020576                                | gb:BC000669.1 /DEF=Homo            | BC000669  |           | NP_787036   |
| o_a             | 0.020010                                | sapiens, Similar to hypothetical   | 2000000   |           | 141 _707900 |
|                 | _                                       | protein, clone MGC:1010,           | -         |           |             |
|                 |   | M                                  | <u>'</u>  | 2         |             |
|                 |   | mRNA, complete cds.                |           | *         |             |
|                 |   | /FEA=mRNA /PROD=Similar to         | -         |           |             |
|                 |   | hypothetical protein               |           |           |             |
|                 |   | /DB_XREF=gi:12653766               |           | ·         |             |
|                 |   | /UG=Hs.92374 hypothetical          |           |           |             |
| <u>.</u> ·      |   | protein /FL=gb:BC000669.1          |           |           |             |
| 210389_x_at     | 0.034721                                | gb:BC000258.1 /DEF=Homo            | BC000258  |           | NP_057345   |
|                 |   | sapiens, Similar to delta-tubulin, | · · ·     |           |             |
|                 | •                                       | clone MGC:2619, mRNA,              | . "       |           |             |
|                 |   | complete cds. /FEA=mRNA            |           |           |             |
|                 |   | /PROD=Similar to delta-tubulin     | l ·       |           |             |
| • •             |   | /DB_XREF=gi:12652994               |           |           |             |
|                 |   | /UG=Hs.270847 delta-tubulin        | . *       |           |             |
| ,               |   | /FL=gb:BC000258.1                  |           |           |             |
|                 |   | UEL-CO BUILLIAN I                  | •         |           | •           |

| Com         | m val      | Description                       | Diseas    | I Imia a    | Dank      |
|-------------|------------|-----------------------------------|-----------|-------------|-----------|
| Gen         | p-value    | Description                       | Gene      | Unigene     | Protein   |
| ldentifier  |            |                                   | Acc ssion | Accession   | Accession |
|             |            |                                   | No.       | No.         | No. /     |
| 210396_s_at | 0.034721   | gb:AF271775.1 /DEF=Homo           | AF271775  | -           | 61.3      |
|             | • • • • •  | sapiens DC49 mRNA, complete       |           |             | • • •     |
|             | * 7        | cds. /FEA=mRNA /PROD=DC49         | *         | . =         |           |
|             |            | /DB_XREF=gi:12006206              |           |             |           |
|             | -          | /UG=Hs.307093 Homo sapiens        |           | (¥)         | ·         |
|             | *          | DC49 mRNA, complete cds           |           | <i>i</i>    |           |
|             |            | /FL=gb:AF271775.1                 |           |             |           |
|             |            |                                   |           |             |           |
| 210438_x_at | 0.018023   | gb:M25077.1 /DEF=Human SS-        | M25077    |             | NP 00459  |
|             |            | ARo ribonucleoprotein             |           |             |           |
|             |            | autoantigen 60 kd subunit         |           |             |           |
|             |            | mRNA, complete cds.               |           |             |           |
|             |            | /FEA=mRNA                         | 0.        |             |           |
| 0           |            | /DB_XREF=gi:387656                |           |             |           |
|             |            | /UG=Hs.554 Sjogren syndrome       |           | 9           |           |
|             |            |                                   |           |             |           |
| 4           |            | antigen A2 (60kD,                 | 2.        |             |           |
|             |            | ribonucleoprotein autoantigen SS- | - 10      | ·           |           |
| 040440      | 0.004704   | ARo) /FL=gb:M25077.1              | 1110000   |             |           |
| 210448_s_at | 0.031704   | gb:U49396.1 /DEF=Human            | U49396    |             | NP_778256 |
| •           |            | ionotropic ATP receptor P2X5b     |           |             |           |
| e .         |            | mRNA, complete cds.               |           |             |           |
|             |            | /FEA=mRNA /PROD=P2X5b             |           |             |           |
| 1           | *          | /DB_XREF=gi:1552523               |           | ;           |           |
|             |            | /UG=Hs.77807 purinergic           |           |             |           |
|             | · .        | receptor P2X, ligand-gated ion    |           | * #         |           |
|             |            | channel, 5 /FL=gb:U49396.1        |           |             |           |
| •           |            | gb:AF070573.1                     |           |             | *.        |
| 210449_x_at | 0.027792   | gb:AF100544.1 /DEF=Homo           | AF100544  | -           | NP 62058  |
|             |            | sapiens stress-activated protein  | *         |             |           |
|             |            | kinase 2a (CSBP) mRNA,            | - ·       | :           |           |
|             |            | complete cds. /FEA=mRNA           |           |             |           |
| 1.5         |            | /GEN=CSBP /PROD=stress-           | •         |             |           |
|             |            | activated protein kinase 2a       | ,         |             | ŕ         |
| -           |            | /DB_XREF=gi:7109716               | -)(-      | · · · · · · |           |
| **          |            | /UG=Hs.79107 mitogen-activated    |           |             |           |
|             |            | protein kinase 14                 |           |             | X-        |
|             |            | · ·                               | '         | ,           |           |
| *.          | ţ.,        | /FL=gb:BC000092.1 gb:L35264.1     |           |             |           |
| 210466      | 0.046740   | gb:AF100544.1                     | PC000400  |             | ND 05045  |
| 210466_s_at | j 0.040749 | gb:BC002488.1 /DEF=Homo           | BC002488  |             | NP_05645  |
|             |            | sapiens, Similar to               |           |             | 1         |
| •           |            | DKFZP564M2423 protein, clone      |           |             |           |
| • •         |            | MGC:1357, mRNA, complete          |           |             |           |
|             |            | cds. /FEA=mRNA /PROD=Similar      | -         | ]           |           |
|             |            | to DKFZP564M2423 protein          |           |             |           |
|             |            | /DB_XREF=gi:12803338              |           | 1           | -         |
|             |            | /UG=Hs.165998 PAI-1 mRNA-         |           |             |           |
|             |            | binding protein                   |           |             | *         |
|             |            | /FL=gb:BC002488.1                 | ,         | . *         |           |
|             | <u></u>    |                                   | 1         |             |           |

| Gene        | p-value   | ng to Figure 19 - Coronary Artery I<br>Description | Gene      | Unig n     | Prot in   |
|-------------|-----------|--|-----------|------------|-----------|
| Identifier  |           |  | Acc ssion | Accession  | Accession |
|             |           |  | No.       | No.        | No.       |
| 210502 s at | 0.021165  | gb:AF042386.1 /DEF=Homo                            | AF042386  | 140.       | NP 006103 |
|             |           | sapiens cyclophilin-33B (CYP-33)                   |           | · .        |           |
|             |           | mRNA, complete cds.                                | *         |            |           |
|             | İ         | /FEA=mRNA /GEN=CYP-33                              |           |            |           |
|             |           | /PROD=cyclophilin-33B                              |           |            |           |
|             |           | /DB XREF=gi:2828150                                |           |            | -         |
| *           | \         | /UG=Hs.33251 peptidylprolyl                        |           |            |           |
|             |           | isomerase E (cyclophilin E)                        | 1         | }          | *         |
|             |           |  |           |            |           |
| 210513 s at | 0.019022  | /FL=gb:AF042386.1                                  | AE0043E0  |            | ND 0000C  |
| 210515_S_at | 0.0.18023 | gb:AF091352.1 /DEF=Homo                            | AF091352  |            | NP_00336  |
|             | 4.1       | sapiens vascular permeability                      |           | *          |           |
|             |           | factor 148 mRNA, complete cds.                     |           |            |           |
|             | ]         | /FEA=mRNA /PROD=vascular                           |           | 9 .        |           |
|             |           | permeability factor 148                            |           | *          | `         |
|             | , ,       | /DB_XREF=gi:5901560                                |           |            |           |
|             |           | /UG=Hs.73793 vascular                              |           |            |           |
|             |           | endothelial growth factor                          |           |            |           |
|             |           | /FL=gb:M32977.1 gb:AF022375.1                      |           |            |           |
|             | , (       | gb:NM_003376.1 gb:AB021221.1                       |           |            | (2)       |
| ÷ .         | ,         | gb:AF091352.1                                      |           |            |           |
|             |           |  |           | * 1 ,      |           |
| 210514_x_at | 0.049425  | gb:AF226990.2 /DEF=Homo                            | AF226990  | -          | NP_00211  |
| •           |           | sapiens MHC class I antigen                        |           | _ :        |           |
|             |           | (HLA-G) mRNA, HLA-G1 allele,                       | •         |            |           |
| •           |           | complete cds. /FEA=mRNA                            |           |            |           |
|             | *         | /GEN=HLA-G /PROD=MHC class                         |           |            |           |
|             |           | I antigen /DB_XREF=gi:7245285                      |           |            |           |
|             |           | /UG=Hs.73885 HLA-G                                 |           | 2          | 1         |
| 4           |           | histocompatibility antigen, class                  |           |            |           |
|             |           | I, G /FL=gb:M90683.1                               |           | <b>1</b> . |           |
|             |           | gb:M32800.1 gb:NM_002127.1                         |           |            | 1         |
|             | ·         | gb:AF226990.2                                      |           |            |           |
|             |           |  |           | ·          |           |
| 210527_x_at | 0.018222  | gb:L11645.1 /DEF=Homo                              | L11645    | 1          | NP_52457  |
|             |           | sapiens alpha-tubulin mRNA,                        |           | <u> </u>   |           |
| . •         |           | complete cds. /FEA=mRNA                            | !         |            | Ē         |
|             |           | /PROD=alpha-tubulin                                |           |            |           |
|             | ,         | /DB_XREF=gi:306450                                 |           | 1          | (3)       |
|             |           | /UG=Hs.98102 tubulin, alpha 2                      |           |            |           |
|             |           | /FL=gb:L11645.1                                    | 1         |            |           |

| Gene        | p-value  | Description                       | Gene      | Unigene  | Protein   |
|-------------|----------|-----------------------------------|-----------|--|-----------|
|             | p-value  | Description                       | -         | 1 =  |           |
| ldentifier  |          | · ½ ·                             | Accession | Accession  | Accession |
| 240520 -4   | 0.004405 |                                   | No.       | No.  | No.       |
| 210528_at   | 0.021165 | gb:AF010447.1 /DEF=Homo           | AF010447  |  | NP_001522 |
|             |          | sapiens MHC class I related       |           |  |           |
|             | ,        | protein 1 isoform C (MR1C)        |           | ٠,   |           |
|             |          | mRNA, complete cds.               |           |  | ·         |
| ••          |          | /FEA=mRNA /GEN=MR1C               |           | - : *  | *         |
|             |          | /PROD=MHC class I related         | 8         |  |           |
| - 1         |          | protein 1 isoform C               | 1.0       |  |           |
|             |          | /DB_XREF=gi:4102223               |           | *  |           |
|             | .*       | /UG=Hs.101840 major               |           |  | X         |
| _           |          | histocompatibility complex, class |           | - 00   |           |
| •           |          | I-like sequence                   |           |  |           |
|             |          | /FL=gb:AF010447.1                 | *         |  |           |
| 210574_s_at | 0.046749 | gb:AF241788.1 /DEF=Homo           | AF241788  |  | NP_006591 |
|             |          | sapiens NPD011 (NPD011)           |           |  | _         |
|             |          | mRNA, complete cds.               |           |  | ·.        |
|             |          | /FEA=mRNA /GEN=NPD011             |           |  | t .       |
|             |          | /PROD=NPD011                      |           | · ·  |           |
|             |          | /DB XREF=gi:12005492              |           |  |           |
|             |          | /UG=Hs.263812 nuclear             |           | •  |           |
| •           |          | distribution gene C (A.nidulans)  |           |  | - 0       |
| *           |          | homolog /FL=gb:AF241788.1         |           | 100  |           |
| 210580 x at | 0.025284 | gb:L25275.1 /DEF=Human            | L25275    |  | NP_808220 |
|             |          | estrogen sulfotransferase mRNA,   |           | · ·  |           |
| 3           |          | complete cds. /FEA=mRNA           | (         |  |           |
| •           |          | /PROD=estrogen sulfotransferase   |           |  | 1         |
| . *         |          | /DB_XREF=gi:463124                |           |  |           |
| * *         |          | /UG=Hs.274614 sulfotransferase    |           |  | 1         |
|             | ·)(- •   | family, cytosolic, 1A, phenol-    |           |  |           |
|             |          | preferring, member 3              |           |  | 3)3       |
|             |          | /FL=gb:L25275.1                   |           |  |           |
|             | ť        | gzc o                             | -         |  |           |
| 210705 s at | 0.046749 | gb:AF220028.1 /DEF=Homo           | AF220028  | <del>                                     </del> | NP 149084 |
|             | 1        | sapiens tripartite motif protein  | /         | ,  | 1         |
|             | 4.       | TRIM5 isoform delta (TRIM5)       | '         |  | -         |
| 1           |          | mRNA, complete cds;               |           |  |           |
|             | •        | alternatively spliced. /FEA=mRNA  | ]         | X  | ,         |
| . T         |          | /GEN=TRIM5 /PROD=tripartite       | *         |  |           |
| =           |          | motif protein TRIM5 isoform       | •-        |  |           |
| • , .       |          | delta /DB_XREF=gi:12407386        |           |  |           |
|             |          | /UG=Hs.30445 Homo sapiens         |           | X  |           |
|             |          | tripartite motif protein TRIM5    |           |  |           |
| * .         |          |                                   |           |  |           |
|             |          | isoform epsilon (TRIM5) mRNA,     | _ /       |  |           |
|             |          | complete cds; alternatively       |           | ı  | I         |
| -3.5        |          | spliced /FL=gb:AF220028.1         |           |  | 1         |

|             |          | ng to Figur 19 - Coronary Artery I | ALC: 1 TO 1 TO 1 |            |             |
|-------------|----------|------------------------------------|------------------|------------|-------------|
| Gene        | p-value  | D scription                        | Gene             | Unigen     | Protein     |
| Identifier  |          |                                    | Accession        | Accession  | Accession   |
|             | (        |                                    | No.              | No.        | No.         |
| 210715 s at | 0.034721 | gb:AF027205.1 /DEF=Homo            | AF027205         |            | NP_066925   |
|             |          | sapiens Kunitz-type protease       |                  |            |             |
|             |          | inhibitor (kop) mRNA, complete     |                  |            |             |
| х-          |          | cds. /FEA=mRNA /GEN=kop            |                  |            |             |
|             |          | /PROD=Kunitz-type protease         |                  | *          |             |
|             | á.       | inhibitor /DB XREF=gi:2598967      | ·*               |            |             |
| .).         |          | /UG=Hs.31439 serine protease       | *                | -          | 8           |
| ı           |          | inhibitor, Kunitz type, 2          | ė .              |            |             |
|             | •        | /FL=gb:AF027205.1                  |                  |            |             |
| 210710 o ot | 0.036354 | gb:BC002552.1 /DEF=Homo            | BC002552         |            | ND 006330   |
| 210719_s_at | 0.030234 | 17                                 |                  |            | NP_006330   |
|             |          | sapiens, high-mobility group 20B,  |                  |            |             |
|             |          | clone MGC:1965, mRNA,              |                  |            | <b> </b> /- |
| *,          |          | complete cds. /FEA=mRNA            |                  |            | <b>:</b>    |
|             |          | /PROD=high-mobility group 20B      |                  |            | *           |
|             | ,        | /DB_XREF=gi:12803454               |                  |            | *           |
| (=          | * .      | /UG=Hs.32317 high-mobility         | ·                |            | *           |
|             | ·        | group 20B /FL=gb:BC002552.1        |                  |            |             |
| 210731_s_at | 0.046749 | Consensus includes                 | AL136105         |            |             |
|             | 4        | gb:AL136105 /DEF=Human DNA         |                  | Ì          | ]           |
| ·           |          | sequence from clone RP4-           | ]                | ,          | -8-         |
| -           |          | 670F13 on chromosome 1q42.2-       |                  |            | ×           |
|             |          | 43. Contains an enolase 1,         |                  | ,          | *           |
|             |          | (alpha) (ENO1) pseudogene, the     | ~                |            |             |
| ·           |          | gene for Po66 carbohydrate         |                  |            |             |
|             |          | binding protein similar to soluble | • .              |            |             |
|             |          | galactoside-binding lectin 8       |                  |            | -           |
|             | ·        | (galectin 8, LGALS8), the 3 end    |                  |            |             |
|             | -        | of /FEA=mRNA_3                     |                  |            |             |
| ·           |          | <del></del>                        |                  | -          |             |
| ·           |          | /DB_XREF=gi:9801288                |                  |            |             |
|             |          | /UG=Hs.4082 lectin, galactoside-   |                  |            |             |
|             |          | binding, soluble, 8 (galectin 8)   |                  |            |             |
|             |          | /FL=gb:AF342816.1                  |                  |            | ,           |
|             | *        | gb:AF074001.1                      |                  | *          |             |
|             |          |                                    |                  |            |             |
| 210778_s_at | 0.034317 | gb:BC002713.1 /DEF=Homo            | BC002713         |            | NP_006445   |
|             | *        | sapiens, Similar to Mad4           |                  | 0.0        |             |
|             |          | homolog, clone MGC:3542,           |                  |            |             |
|             |          | mRNA, complete cds.                | , ,              |            |             |
|             |          | /FEA=mRNA /PROD=Similar to         |                  |            | -00         |
|             |          | Mad4 homolog                       |                  |            |             |
|             |          | /DB_XREF=gi:12803750               |                  | 1          | 1           |
|             |          | /UG=Hs.102402 Mad4 homolog         |                  | <b>1</b> , |             |
| 4           | l        | /FL=gb:BC002713.1                  |                  | l .        |             |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery l                    | Disease              |                      | ear S                   |
|--------------------|------------|--|----------------------|----------------------|-------------------------|
| Gene<br>Identifier | p-value    | Description  | Gene<br>Accession    | Unigene<br>Accession | Protein<br>Accession    |
| 210840 s at        | 0.046740   | gb:D29640.1 /DEF=Human                                 | <b>No.</b><br>D29640 | No.                  | <b>No.</b><br>NP_003861 |
| 210040_s_at        | 0.040748   | mRNA for KIAA0051 gene,                                | D29040               |                      | NE_00260                |
|                    |            | complete cds. /FEA=mRNA                                | +                    |                      |                         |
|                    | *          | /GEN=KIAA0051  | ]                    |                      |                         |
|                    | ļ          | /DB_XREF=gi:473930                                     |                      | -                    | ·                       |
| •                  |            | /UG=Hs.1742 IQ motif containing                        |                      |                      | ·                       |
|                    |            | GTPase activating protein 1                            |                      |                      |                         |
|                    | <br>       | /FL=qb:D29640.1  |                      |                      | Į                       |
| 210865_at          | 0.018222   | gb:D38122.1 /DEF=Human                                 | D38122               |                      | ND 000630               |
| 2 10005_at         | 0.010222   | -  | D30122               |                      | NP_000630               |
|                    |            | mRNA for Fas ligand, complete cds. /FEA=mRNA /PROD=Fas | 1                    |                      |                         |
| •                  |            |  | }                    | *                    |                         |
| •                  |            | ligand /DB_XREF=gi:601892                              | <u>.</u> .           |                      |                         |
|                    |            | /UG=Hs.2007 tumor necrosis                             |                      |                      | ·                       |
|                    | 1          | factor (ligand) superfamily,                           |                      | ,                    |                         |
|                    |            | member 6 /FL=gb:NM_000639.1                            |                      | ,                    | [ ·                     |
|                    | ĺ          | gb:U11821.1 gb:D38122.1                                |                      |                      |                         |
|                    |            | gb:U08137.1  | İ                    |                      | 1                       |
| ,                  |            | ÷  |                      |                      |                         |
| 040070             | 0.000054   |  | 15001010             |                      | 110 050005              |
| 210879_s_at        | 0.036254   | 1 -  | AF334812             |                      | NP_056285               |
| *                  |            | sapiens Rab11 interacting                              |                      |                      |                         |
|                    |            | protein Rip11a mRNA, complete                          |                      |                      |                         |
|                    |            | cds. /FEA=mRNA /PROD=Rab11                             |                      |                      |                         |
|                    |            | interacting protein Rip11a                             | . ÷                  | 2.                   |                         |
|                    | <u> </u>   | /DB_XREF=gi:13377896                                   |                      |                      |                         |
|                    |            | /UG=Hs.24557 KIAA0857 protein                          |                      |                      | •                       |
|                    | 1          | /FL=gb:AF334812.1                                      |                      | · ·                  |                         |
|                    |            |  |                      |                      |                         |
| 210916_s_at        | 0.046749   | gb:AF098641.1 /DEF=Homo                                | AF098641             |                      |                         |
| * .                |            | sapiens CD44 isoform RC                                |                      | ·                    | *                       |
| . ; .              | [          | (CD44) mRNA, complete cds.                             | l                    |                      |                         |
|                    |            | /FEA=mRNA /GEN=CD44                                    |                      |                      |                         |
| }                  |            | /PROD=CD44 isoform RC                                  | \                    |                      | 1                       |
|                    |            | /DB_XREF=gi:3832517                                    |                      |                      |                         |
|                    |            | /UG=Hs.306278 Homo sapiens                             |                      |                      |                         |
|                    |            | CD44 isoform RC (CD44)                                 |                      | b ·                  |                         |
|                    |            | mRNA, complete cds                                     |                      |                      |                         |
|                    |            | /FL=gb:AF098641.1                                      |                      |                      |                         |
| 210926_at          | 0.018023   | gb:AY014272.1 /DEF=Homo                                | AY014272             |                      |                         |
|                    |            | sapiens FKSG30 (FKSG30)                                |                      | <u> </u>             |                         |
| {                  | }          | mRNA, complete cds.                                    | }                    |                      |                         |
|                    |            | /FEA=mRNA /GEN=FKSG30                                  |                      | × ×                  |                         |
| ì                  |            | /PROD=FKSG30   | ]                    |                      |                         |
| _                  |            | /DB_XREF=gi:12408251                                   |                      |                      |                         |
|                    |            | /UG=Hs.315492 Homo sapiens                             |                      | 1                    | * *                     |
|                    |            | FKSG30 (FKSG30) mRNA,                                  |                      | ì                    | *                       |
| _                  |            | complete cds   |                      |                      | (                       |
|                    | L          | /FL=gb:AY014272.1                                      |                      |                      |                         |

|             |          | ng to Figure 19 - Coronary Artery |                   |           |   |
|-------------|----------|-----------------------------------|-------------------|-----------|---|
| Gen         | p-value  | Description                       | Gene              | Unigene   | Protein                                 |
| ldentifi r  |          | •                                 | Accession         | Accession | Accession                               |
|             |          | *                                 | No.               | No.       | No.                                     |
| 211034 s at | 0.036254 | gb:BC006270.1 /DEF=Homo           | BC006270          | 110.      | INO.                                    |
|             | 2 - 7    | sapiens, clone MGC:11291,         |                   | e         | 1                                       |
| * .         |          | mRNA, complete cds.               |                   |           |   |
|             |          | /FEA=mRNA /PROD=Unknown           |                   |           |   |
|             |          | (protein for MGC:11291)           |                   |           | 0.                                      |
|             |          | /DB_XREF=gi:13623331              |                   |           | *                                       |
|             | * . •    | -                                 |                   |           | * 7                                     |
| 211074 at   | 0.034721 | /FL=gb:BC006270.1                 | AF000381          |           |   |
| 2110/4_at   | 0.054721 | gb:AF000381.1 /DEF=Homo           | AF000361          | *         |   |
|             |          | sapiens non-functional folate     |                   |           |   |
|             | . •      | binding protein mRNA, complete    |                   |           |   |
|             |          | cds. /FEA=mRNA /PROD=non-         |                   |           |   |
|             | 9        | functional folate binding protein |                   | : *       |   |
| • 00        | e - e .  | /DB_XREF=gi:2565195               |                   |           |   |
|             | *        | /FL=gb:AF000381.1                 |                   | * *       |   |
| 544455      | 001015   | 1 1100075 / 1                     |                   |           | * |
| 211102_s_at | 0.049425 | gb:U82277.1 /DEF=Human            | U82277            |           | NP_006857                               |
|             | 4 .      | immunoglobulin-like transcript 1b |                   |           |   |
|             |          | mRNA, complete cds.               | *                 |           |   |
|             | *        | /FEA=mRNA                         |                   |           | -8-                                     |
|             |          | /PROD=immunoglobulin-like         | *                 |           |   |
|             |          | transcript 1b                     |                   | -         | 0.0                                     |
|             |          | /DB_XREF=gi:1907320               | * 4               |           | **                                      |
|             | . 0      | /UG=Hs.94498 leukocyte            |                   |           |   |
| •           |          | immunoglobulin-like receptor,     | 1                 | - )(-     | - 2                                     |
| * :         |          | subfamily A (with TM domain),     |                   |           |   |
|             | -        | member 2 /FL=gb:U82277.1          |                   |           |   |
| 211106_at   | 0.02008  | gb:AF064804.1 /DEF=Homo           | AF064804          |           |   |
|             |          | sapiens transcription factor      |                   |           |   |
|             |          | SUPT3H (SUPT3H) mRNA,             |                   | *         |   |
|             |          | complete cds. /FEA=mRNA           | *                 |           |   |
|             | İ        | /GEN=SUPT3H                       |                   | £         |   |
|             |          | /PROD=transcription factor        |                   |           |   |
|             | · ·      | SUPT3H /DB XREF=gi:3283361        |                   |           |   |
|             |          | /UG=Hs.96757 suppressor of Ty     | , .               |           | 4                                       |
|             |          | (S.cerevisiae) 3 homolog          |                   |           |   |
|             |          | /FL=gb:AF064804.1                 | * *               |           |   |
| 211189_x_at | 0.031704 | gb:AF054816.1 /DEF=Homo           | AF054816          | · ·       | NP_003865                               |
| at          | 0.001704 | sapiens leukocyte differentiation | 1, 11, 00, 40, 10 | · .       | 141 _003000                             |
|             | × ):     | antigen CD84 isoform CD84a        |                   | *         |   |
|             |          | (CD84) mRNA, complete cds.        |                   |           |   |
|             |          | /FEA=mRNA /GEN=CD84               | -8-               |           | ĺ                                       |
|             | [ ·      |                                   | L                 | 1         | 1                                       |
|             |          | /PROD=leukocyte differentiation   | '                 | -)        | ,                                       |
|             |          | antigen CD84 isoformCD84a         | e <sup>t</sup>    |           |   |
|             | 1        | /DB_XREF=gi:6650107               |                   |           |   |
|             | l .      | /UG=Hs.137548 CD84 antigen        |                   |           |   |
| . 0         |          | (leukocyte antigen)               | 1                 |           |   |
|             |          | /FL=gb:AF054816.1                 | 1                 | 1         | I                                       |

|                                       |          | ng to Figure 19 - Coronary Artery I |                                       | Unicons   | Drotois   |
|---------------------------------------|----------|-------------------------------------|---------------------------------------|-----------|-----------|
| Gene                                  | p-value  | Description                         | Gene                                  | Unigene   | Protein   |
| Identifier                            |          |                                     | Accession                             | Accession | Accession |
| 044054                                | 0.000040 |                                     | No.                                   | No.       | No.       |
| 211251_x_at                           | 0.026013 | gb:U78774.1 /DEF=Human NFY-         | 0/8//4                                |           | NP_055038 |
| · · · · · · · · · · · · · · · · · · · |          | C mRNA, complete cds.               |                                       |           |           |
|                                       | .*       | /FEA=mRNA /PROD=NFY-C               |                                       |           | •         |
|                                       |          | /DB_XREF=gi:2327008                 |                                       |           |           |
| • .                                   |          | /UG=Hs.168157 nuclear               | 8                                     | \J '      |           |
| .*                                    |          | transcription factor Y, gamma       | -                                     |           |           |
| 044000                                | 0.005004 | /FL=gb:U78774.1                     | A DO000040                            |           | NID OCCOO |
| 211296_x_at                           | 0.025284 | gb:AB009010.1 /DEF=Homo             | AB009010                              |           | NP_066289 |
| *                                     |          | sapiens mRNA for polyubiquitin      |                                       | 1         |           |
|                                       | ,        | UbC, complete cds. /FEA=mRNA        |                                       |           |           |
|                                       | ` '      | /GEN=UbC1 /PROD=polyubiquitin       |                                       |           | 9         |
| : "                                   |          | UbC /DB_XREF=gi:2647407             | H. 1                                  |           |           |
|                                       | . '.     | /UG=Hs.183704 ubiquitin C           | &-                                    | 1         | )         |
|                                       |          | /FL=gb:BC000449.1                   |                                       |           |           |
|                                       |          | gb:AB009010.1                       |                                       | . *       |           |
|                                       |          |                                     |                                       | *         |           |
| 211372_s_at                           | 0.046749 | gb:U64094.1 /DEF=Human              | U64094                                |           |           |
|                                       |          | soluble type II interleukin-1       |                                       |           |           |
|                                       |          | receptor mRNA, complete cds.        |                                       |           | *         |
| ė ·                                   |          | /FEA=mRNA /PROD=soluble             | **                                    |           |           |
|                                       |          | type II interleukin-1 receptor      |                                       | 2         |           |
|                                       |          | /DB_XREF=gi:1488065                 |                                       |           | -         |
| . *                                   | e        | /UG=Hs.25333 interleukin 1          |                                       |           |           |
|                                       | ,        | receptor, type II                   | }                                     |           | \         |
|                                       |          | /FL=gb:U64094.1                     |                                       |           |           |
| 211665_s_at                           | 0.046749 | gb:L20686.1 /DEF=Homo               | L20686                                | 44        |           |
|                                       |          | sapiens guanine nucleotide          | •                                     | -×        | -         |
|                                       |          | releasing factor (SOS2) mRNA,       |                                       | ·X-       |           |
| * :                                   |          | complete cds. /FEA=mRNA             |                                       |           | ·         |
|                                       |          | /GEN=SOS2 /PROD=guanine             |                                       | •         |           |
|                                       |          | nucleotide releasing factor         |                                       |           |           |
|                                       |          | /DB_XREF=gi:1220367                 |                                       |           |           |
| - *                                   |          | /FL=gb:L20686.1                     |                                       |           | <u> </u>  |
| 211685_s_at                           | 0.026013 | gb:AF251061.1 /DEF=Homo             | AF251061                              |           | NP_114430 |
|                                       |          | sapiens neurocalcin mRNA,           |                                       | 1         |           |
|                                       |          | complete cds. /FEA=mRNA             |                                       | *         |           |
|                                       |          | /PROD=neurocalcin                   |                                       |           |           |
|                                       |          | /DB_XREF=gi:13625183                |                                       |           |           |
| •                                     |          | /FL=gb:AF251061.1                   | ,                                     |           |           |
| 211749_s_at                           | 0.046749 | gb:BC005941.1 /DEF=Homo             | BC005941                              | 100       | NP_00477  |
| •                                     | )        | sapiens, Similar to vesicle-        |                                       |           |           |
|                                       | 1        | associated membrane protein 3,      |                                       |           | ] '       |
|                                       |          | clone MGC:14563, mRNA,              | 1                                     |           |           |
|                                       | _        | complete cds. /FEA=mRNA             |                                       |           |           |
|                                       |          | /PROD=Similar to vesicle-           |                                       |           |           |
|                                       | ľ        | associated membrane protein3        | l <sup>t</sup>                        |           | ,         |
| ,                                     |          | /DB_XREF=gi:13543573                | · · · · · · · · · · · · · · · · · · · |           |           |
|                                       | 1        | /FL=gb:BC005941.1                   |                                       |           |           |

|               |             | ng to Figur 19 - Coronary Artery  |            |  |                 |
|---------------|-------------|-----------------------------------|------------|--|-----------------|
| Gene          | p-valu      | Description                       | Gene       | Unigene  | Protein         |
| Identifier    |             |                                   | Accession  | Accession  | Accession       |
|               |             | 7                                 | No.        | No.  | No.             |
| 211771 s at   | 0.03003     | gb:BC006101.1 /DEF=Homo           | BC006101   | NO.  | NP_002689       |
| 211//1_5_al   | 0.03002     |                                   | 1          |  | INP_002009      |
|               |             | sapiens, Similar to POU domain,   |            |  | l · .           |
|               |             | class 2, transcription factor 2,  |            |  |                 |
|               |             | clone MGC:12814, mRNA,            |            |  |                 |
|               | ,           | complete cds. /FEA=mRNA           |            |  |                 |
|               |             | /PROD=Similar to POU domain,      |            | ,  | i ,             |
|               |             | class 2, transcriptionfactor 2    | ` ' '      | <u>'</u>   |                 |
|               | ,           |                                   | *          | ·  |                 |
|               |             | /DB_XREF=gi:13543912              | •          |  |                 |
|               |             | /FL=gb:BC006101.1                 |            |  |                 |
|               |             |                                   |            |  |                 |
| 211783 s at   | 0.018023    | gb:BC006177.1 /DEF=Homo           | BC006177   | 7  | NP 004680       |
| ·             |             | sapiens, Similar to metastasis    |            |  | _               |
|               |             | associated 1, clone MGC:13258,    |            | <i>'</i>   |                 |
| *             |             | mRNA, complete cds.               |            |  | . ? :           |
|               | * •         | •                                 |            | ٠  |                 |
|               | -           | /FEA=mRNA /PROD=Similar to        | 100        |  | I               |
|               |             | metastasis associated 1           |            |  |                 |
|               |             | /DB_XREF=gi:13544097              |            | l'   |                 |
|               |             | /FL=gb:BC006177.1                 |            |  |                 |
|               | 1           | 7. 2. go. 2. 0000                 | , Tu       |  | 1               |
| 211025 0 01   | 0.040425    | chiAE227066 4 /DEE-Home           | AE207066   | <del>                                     </del> | <del>-</del> :, |
| 211825_s_at   | 0.049425    | gb:AF327066.1 /DEF=Homo           | AF327066   |  | 0               |
|               | •           | sapiens Ewings sarcoma EWS-       | -          |  | . 25            |
|               | - 20        | Fli1 (type 1) oncogene mRNA,      | l ·.       |  |                 |
|               |             | complete cds. /FEA=CDS            |            |  |                 |
| :             |             | /PROD=Ewings sarcoma EWS-         | 9          | ŀ  |                 |
|               |             | Fli1 (type 1) oncogene            |            | . ,  |                 |
|               |             |                                   |            | •  |                 |
|               |             | /DB_XREF=gi:12963354              |            |  |                 |
|               |             | /UG=Hs.129953 Ewing sarcoma       | *          |  |                 |
|               |             | breakpoint region 1               |            |  | •               |
|               |             | /FL=gb:AF327066.1                 |            |  |                 |
| 211883_x_at   | 0.034721    | gb:M76742.1 /DEF=Homo             | M76742     |  | NP_001703       |
| Z 1 1000_X_at | .] 0.001727 | sapiens alternatively spliced     | 1011 01 12 |  | -001700         |
|               | •           |                                   |            |  |                 |
|               |             | biliary glycoprotein (BGPa)       |            |  |                 |
|               | 0           | mRNA, complete cds.               |            |  |                 |
|               | * -         | /FEA=CDS /GEN=BGPa                |            |  | 1 .             |
| - 0.          |             | /PROD=biliary glycoprotein        |            |  | I               |
|               | 1 .         | /DB_XREF=gi:179480                | · .        |  |                 |
| 1.            |             |                                   |            |  |                 |
|               |             | /UG=Hs.50964 carcinoembryonic     |            |  |                 |
|               | 1           | antigen-related cell adhesion     | • ,        |  |                 |
|               |             | molecule 1 (biliary glycoprotein) |            | ,  |                 |
|               |             | /FL=gb:M76742.1                   | 1 .        | m m  |                 |
|               | 1           |                                   |            |  |                 |
| 211921 x at   | 0.018023    | gb:AF348514.1 /DEF=Homo           | AF348514   |  | NP 002814       |
| at            | 0.5,5025    | sapiens fetal thymus              | " 040014   | 1 .  | -0020           |
| *<br>*        | 1.          |                                   | .*         |  |                 |
|               | -           | prothymosin alpha mRNA,           |            | . *  |                 |
|               |             | complete cds. /FEA=CDS            |            |  |                 |
|               |             | /PROD=prothymosin alpha           | 1          |  |                 |
|               | 1           | /DB_XREF=gi:13560658              | 1          |  | -               |
|               | J .         | /FL=gb:AF348514.1                 |            |  | 1               |
|               | 1 .         | //-u-gu.Ar340014.1                | 1          |  | I               |

|  |          | ng to Figure 19 - Coronary Artery |   |            |           |
|--|----------|-----------------------------------|---|------------|-----------|
| G ne   | p-value  | Description                       | Gene                                    | Unig n     | Protein   |
| ld ntifier   | :        |                                   | Accession                               | Accession  | Acc ssion |
|  |          |                                   | No.                                     | No.        | No.       |
| 211922_s_at  | 0.025284 | gb:AY028632.1 /DEF=Homo           | AY028632                                |            | NP 001743 |
|  |          | sapiens catalase (CAT) mRNA,      |   |            |           |
| *  |          | complete cds. /FEA=CDS            |   |            |           |
|  |          | /GEN=CAT /PROD=catalase           |   | -          |           |
|  |          | /DB_XREF=gi:13562131              |   |            |           |
| (7)  |          | /FL=gb:AY028632.1                 | -(-                                     |            |           |
| 211932_at  | 0.034721 | Homo sapiens BX1 mRNA, partial    | BE867771                                | Hs.249247  | · ·       |
|  | in .     | cds                               |   |            |           |
| 211941_s_at  | 0.025284 | prostatic binding protein         | BF686267                                | Hs.80423   | NP_002558 |
| 211943 x at  |          | tumor protein, translationally-   | AL565449                                | Hs.279860  |           |
|  |          | controlled 1                      | , , , , , , ,                           |            |           |
| 211948_x_at  | 0.026013 | Consensus includes                | AL096857                                |            | NP 055987 |
| - <del>-</del> -   |          | gb:BG261071 /FEA=EST              |   | had to     |           |
|  |          | /DB_XREF=gi:12770887              | * | * . *      | =         |
| 1  |          | /DB_XREF=est:602372693F1          | *                                       | . 11       | · ·       |
|  | l I      | /CLONE=IMAGE:4480631              |   | · .        |           |
|  | 0        | /UG=Hs.69559 KIAA1096 protein     |   |            |           |
|  |          | records runtings protein          | a) 1;                                   | *          |           |
| 211969_at  | 0.034721 | Consensus includes                | NM 005348                               |            | NP_005339 |
| <del></del>  |          | gb:BG420237 /FEA=EST              |   |            |           |
| •  |          | /DB_XREF=gi:13326743              |   |            |           |
|  | ·        | /DB XREF=est:602448244F1          | (                                       |            |           |
| ·(()   |          | /CLONE=IMAGE:4586914              | , , , ,                                 |            |           |
|  |          | /UG=Hs.289088 heat shock          |   | *          | 1         |
| : 40   | ,        | 90kD protein 1, alpha             |   | . *        | .*        |
| Y  |          | /FL=gb:NM_005348.1                |   |            | ٠.        |
| 211986 at  | 0.018023 | Homo sapiens cDNA FLJ33834 fis,   | BG287862                                | Hs.378738  |           |
| 21 1000_at   | 0.010020 | clone CTONG2004264,               | 150207002                               | 113.070700 |           |
|  | * .      | moderately similar to             |   |            |           |
|  | •        | NEUROBLAST                        |   |            |           |
| •  |          | DIFFERENTIATION                   |   | .*         |           |
|  | 71       | ASSOCIATED PROTEIN AHNAK          | · .                                     |            |           |
| 211996 s at  | 0 046749 | KIAA0220 protein                  | BG256504                                | Hs.110613  |           |
| 212001 at  |          | Consensus includes                | AB002363                                | 113.110013 |           |
| 200 i_qt   | 2.010020 | gb:AV738039 /FEA=EST              |   |            | -         |
| , and the second |          | /DB_XREF=gi:10855620              |   |            |           |
|  |          | /DB_XREF=est:AV738039             |   |            | *         |
|  |          | /CLONE=CBFBDH07                   |   | *          |           |
|  |          | /UG=Hs.190452 KIAA0365 gene       | 20                                      |            |           |
|  |          | product                           |   | 18         |           |
|  | L        | Ibioaact                          | <u> </u>                                | <u> </u>   | L         |

|                    | rrespondir | ng to Figure 19 - Coronary Artery                                  | Disease           | 7.00                 | - <del>1</del> - 2 - 2 |
|--------------------|------------|--|-------------------|----------------------|------------------------|
| Gene<br>Identifier | p-valu     | D scription  | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession   |
| 040004,-+          | 0.000054   |  | No.               | No.                  | No.                    |
| 212004_at          | 0.036254   | Consensus includes gb:AL050028.1 /DEF=Homo                         | AL050028          |                      | NP_056424              |
|                    |            | sapiens mRNA; cDNA   |                   | -                    | ,                      |
|                    |            | DKFZp566C0424 (from clone DKFZp566C0424); partial cds.             |                   | : **                 |                        |
|                    |            | /FEA=mRNA  |                   |                      | 8                      |
|                    |            | /GEN=DKFZp566C0424   |                   | *                    |                        |
|                    | *          | /PROD=hypothetical protein   |                   |                      |                        |
| •                  |            | /DB_XREF=gi:4884267<br>/UG=Hs.226770                               |                   |                      |                        |
|                    |            | DKFZP566C0424 protein  |                   |                      |                        |
| 212030_at          | 0.025284   | Homo sapiens cDNA: FLJ22454<br>fis, clone HRC09703                 | BE466128          | Hs.409075            | ,                      |
| 212034_s_at        | 0.046749   | likely ortholog of mouse exocyst                                   | BE646386          | Hs.325530            | NP_056034              |
|                    | (0)        | component protein 70 kDa   |                   |                      |                        |
|                    | ,          | homolog (S. cerevisiae) Exo70:<br>exocyst component protein 70 kDa |                   | ,                    |                        |
|                    |            | homolog (S. cerevisiae)  | ٠. * ا            |                      |                        |
| 212037_at          | 0.034721   | Consensus includes   | Y09703            |                      | NP_002678              |
|                    |            | gb:BF508848 /FEA=EST   | -                 |                      |                        |
| •                  | *          | /DB_XREF=gi:11592146   |                   |                      |                        |
| •                  |            | /DB_XREF=est:UI-H-BI4-aor-e-06-<br>0-UI.s1 /CLONE=IMAGE:3085907    |                   | ,                    |                        |
|                    |            | /UG=Hs.44499 pinin, desmosome                                      | *                 | · •                  |                        |
|                    | **:        | associated protein   | XI                | ч                    |                        |
| 212056_at          | 0.034721   | Consensus includes gb:D80004.1                                     | D80004            |                      |                        |
| <del>-</del>       |            | /DEF=Human mRNA for  |                   | ,                    |                        |
| •                  |            | KIAA0182 gene, partial cds.  |                   |                      |                        |
|                    | ,          | /FEA=mRNA /GEN=KIAA0182  |                   |                      | ()                     |
|                    |            | /DB_XREF=gi:1136423<br>/UG=Hs.75909 KIAA0182 protein               | · ¥-              |                      | 1                      |
| •                  |            | ros-ris. rosos inivitoros proteir                                  |                   |                      |                        |
|                    |            |  |                   |                      |                        |
| 212061_at          | 0.049425   | Consensus includes   | AB002330          |                      |                        |
| 9                  |            | gb:AB002330.1 /DEF=Human<br>mRNA for KIAA0332 gene,                |                   |                      |                        |
|                    |            | partial cds. /FEA=mRNA   |                   |                      |                        |
|                    |            | /GEN=KIAA0332  |                   |                      | * )                    |
| •                  |            | /DB_XREF=gi:2224604  | *                 |                      |                        |
| 212069 s at        | 0.022522   | /UG=Hs.7976 KIAA0332 protein                                       | A DO44007         |                      |                        |
| 212009_S_at        | 0.033333   | Consensus includes<br>gb:AK026025.1 /DEF=Homo                      | AB011087          |                      |                        |
|                    |            | sapiens cDNA: FLJ22372 fis,  | σ.                |                      |                        |
| -8-                | • .        | clone HRC06695. /FEA=mRNA  | *                 |                      |                        |
|                    |            | /DB_XREF=gi:10438733   |                   |                      |                        |
| · · · · ·          |            | /UG=Hs.108945 KIAA0515 protein                                     | Y .               |                      |                        |
|                    |            | [hioreii]  | L                 | L <del></del>        | L                      |

| G ne List Co       | rrespondir | ig to Figure 19 - Coronary Artery   | Dis ase           |                      | :                    |
|--------------------|------------|---|-------------------|----------------------|----------------------|
| Gene<br>Identifier | p-value    | Description   | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
| 040070             | 0.040057   |   | No.               | No.                  | No.                  |
| 212078_s_at        | 0.019657   | Consensus includes gb:AA704766 /FEA=EST /DB_XREF=gi:2714684 /DB_XREF=est:zj34h05.s1   | NM_005933         |                      | NP_005924            |
|                    |            | /CLONE=IMAGE:452217 /UG=Hs.199160 myeloidlymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog)  | i.                |                      | ٠                    |
|                    |            | /FL=gb:L04284.1<br>gb:NM_005933.1   |                   |                      | , m                  |
| 212080_at          | 0.036254   | Consensus includes<br>gb:AV714029 /FEA=EST<br>/DB_XREF=gi:10795546<br>/DB_XREF=est:AV714029   | NM_005933         |                      | NP_005924            |
|                    |            | /CLONE=DCBCDA03 /UG=Hs.199160 myeloidlymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog)  | *                 | -                    |                      |
|                    | -0         | /FL=gb:L04284.1<br>gb:NM_005933.1   |                   |                      | -3-                  |
| 212087_s_at        |            | Era G-protein-like 1 (E. coli)  | AL562733          | Hs.3426              | NP_005693            |
| 212096_s_at        | 0.048741   | Consensus includes<br>gb:AL096842.1 /DEF=Homo<br>sapiens mRNA; cDNA<br>DKFZp586D1519 (from clone<br>DKFZp586D1519). /FEA=mRNA<br>/DB_XREF=gi:5524930<br>/UG=Hs.7946, KIAA1288 protein | AL096842          |                      | NP_065800            |
| 212101_at          | 0.027792   | Consensus includes<br>gb:AU154321 /FEA=EST<br>/DB_XREF=gi:11015842  | NM_012316         | 2                    | NP_036448            |
|                    |            | /DB_XREF=est:AU154321<br>/CLONE=NT2RP4000774<br>/UG=Hs.301553 karyopherin<br>alpha 6 (importin alpha 7)<br>/FL=gb:AF060543.1<br>gb:NM_012316.1  |                   |                      | 1                    |
| 212139_at          | 0.036254   | Consensus includes gb:D86973.1<br>/DEF=Human mRNA for<br>KIAA0219 gene, partial cds.<br>/FEA=mRNA /GEN=KIAA0219   | D86973            |                      |                      |
|                    |            | /DB_XREF=gi:1504019<br>/UG=Hs.75354 GCN1 (general<br>control of amino-acid synthesis<br>1, yeast)-like 1  |                   |                      |                      |

|           |          | ng to Figure 19 - Coronary Artery   |                |            |           |
|-----------|----------|---|----------------|------------|-----------|
| 1         | p-value  | Description   | Gene           | Unigene    | Protein   |
| entifi r  |          | *   | Accession      | Accession  | Accession |
|           |          | *   | No.            | No.        | No.       |
| 2144_at   | 0.034721 | Consensus includes  | AL021707       |            |           |
|           | . ". 4   | gb:AL021707 /DEF=Human DNA  |                |            | ŀ         |
| • •       |          | sequence from clone RP3-  | 10             |            |           |
|           |          | 508I15 on chromosome 22q12-   |                |            |           |
|           |          | 13 Contains the gene for  |                | *          |           |
|           | *        | GTPBP1 (GTP binding protein   | · ·            |            |           |
|           |          | 1), two novel genes KIAA0063  |                |            |           |
| ì         |          | and KIAA0668, a novel gene  | -              | ÷ .        |           |
| 9.5       |          | based on ESTs and cDNA, a   |                |            |           |
|           |          | pseudogene similar to AOP1  |                | ·          |           |
|           | :        | (antioxidant protein 1)   | 0.0            |            |           |
| 1         | 8        | /FEA=mRNA 3   |                |            |           |
| 41.       |          | ——————————————————————————————————————  |                | <u> </u>   |           |
| ·         | *.       | /DB_XREF=gi:4582132   | 9.             |            | }         |
| 2455 -1   | 0.040740 | /UG=Hs.5898 KIAA0668 protein  | A A 00 É 7 4 0 | 11- 204070 |           |
| 2155_at   | U.U46/49 | Homo sapiens, clone   | AA085748       | Hs.381076  |           |
|           |          | IMAGE:3453993, mRNA, partial  |                |            |           |
|           |          | cds   |                |            |           |
| 2167_s_at | 0.018023 | Consensus includes  | AK021419       |            | NP_003064 |
| ·         |          | gb:AK021419.1 /DEF=Homo   |                |            |           |
|           |          | sapiens cDNA FLJ11357 fis,  |                |            |           |
|           |          | clone HEMBA1000201, highly  |                | ,          |           |
|           | Ť.       | similar to Homo sapiens mRNA  | , s            |            |           |
|           |          | for integrase interactor 1b   |                | 1 6        |           |
| . *       | •        | protein (INI1B). /FEA=mRNA  |                |            |           |
|           | •        | /DB_XREF=gi:10432598  |                |            |           |
|           |          | /UG=Hs:159971 SWISNF related,   |                |            | 0.0       |
| *         |          | matrix associated, actin  |                |            |           |
|           |          | dependent regulator of  | •              |            |           |
|           |          | chromatin, subfamily b, member  |                | •          |           |
|           |          | I4  |                |            |           |
|           |          | <u>'</u>  |                |            |           |
| 2177      | 0.046740 | Concorate installed   | AL 000400      |            | ND 440050 |
| 2177_at   | 0.040/49 | Consensus includes  | AL080186       |            | NP_116259 |
| [         |          | gb:AW081113 /FEA=EST  |                | ,          |           |
|           |          | /DB_XREF=gi:6036265   |                |            |           |
|           |          | /DB_XREF=est:xc29c08:x1   | 1              | 1          | }         |
|           |          | /CLONE=IMAGE:2585678  |                |            |           |
|           |          | /UG=Hs.18368 DKFZP564B0769  |                |            | -2        |
|           |          | protein   | :              |            |           |
| 2196_at   | 0.034721 | Consensus includes  | AL049265       |            |           |
|           |          | gb:AW242916 /FEA=EST  | *              |            |           |
| 1         |          | /DB_XREF=gi:6576686   | 1              | ,          |           |
|           |          | /DB XREF=est:xn27f03.x1   |                |            | ,         |
|           |          |   |                |            |           |
| 9         |          | · · · · · · · · · · · · · · · · · · ·   |                |            | 1         |
| 1         |          | · ·   | I              | I s        | 1 .       |
|           |          | mRNA; cDNA DKFZp564F053   |                |            | 1         |
| 2196_at   | 0.034721 | Consensus includes<br>gb:AW242916 /FEA=EST<br>/DB_XREF=gi:6576686<br>/DB_XREF=est:xn27f03.x1<br>/CLONE=IMAGE:2694941<br>/UG=Hs.71968 Homo sapiens | AL049265       |            |           |

|                                       |          | ng to Figur 19 - Coronary Artery I                    |             | 1           | L  |
|---------------------------------------|----------|---|-------------|-------------|--|
| Gene                                  | p-value  | Description   | Gen         | Unigene     | Prot in  |
| Identifier                            | •        | • (   | Accession   | Accession   | Accession  |
|                                       |          |   | No.         | No.         | No.  |
| 212202 s at                           | 0.046749 | Consensus includes                                    | AF132733    |             | NP_056312  |
|                                       |          | gb:BG493972 /FEA=EST                                  |             |             |  |
|                                       |          | /DB_XREF=gi:13455486                                  | *           |             |  |
|                                       | 0        | /DB_XREF=est:602542252F1                              |             |             |  |
| •                                     |          | /CLONE=IMAGE:4673316                                  |             |             | <i>2</i> . • • • • • • • • • • • • • • • • • • • |
| d ·                                   |          | /UG=Hs.16492 DKFZP564G2022                            |             |             |  |
|                                       |          | protein   |             |             | :  |
| 212231_at                             | 0.046749 | Consensus includes                                    | AK001699    |             | NP 296373  |
| 2 1220 1_at                           | 0.040740 | gb:AB020682.1 /DEF=Homo                               | 1,1100,1000 |             | -2000/0  |
|                                       |          | sapiens mRNA for KIAA0875                             |             |             |  |
|                                       | ÷.       | protein, partial cds. /FEA=mRNA                       |             |             |  |
|                                       |          | /GEN=KIAA0875   |             | a           |  |
| 1                                     |          | /PROD=KIAA0875 protein                                |             |             | 3  |
|                                       |          |   |             |             | -X-  |
|                                       |          | /DB_XREF=gi:4240238                                   | 1.1         | ľ           |  |
|                                       |          | /UG=Hs.184227 F-box only                              |             |             |  |
| 040007                                | 0.024704 | protein 21 /FL=gb:AF174601.1                          | 01.447540   |             | ND 056452  |
| 212237_at                             | 0.034721 | Consensus includes gb:N64780                          | AL117518    |             | NP_056153  |
|                                       | -X-      | /FEA=EST  |             |             | ļ ·  |
| e •                                   |          | /DB_XREF=gi:1212609                                   | ر ،         |             |  |
|                                       |          | /DB_XREF=est:yz30f08.s1                               |             |             |  |
| ,                                     |          | /CLONE=IMAGE:284583                                   |             |             |  |
|                                       |          | /UG=Hs.3686 KIAA0978 protein                          |             |             | <u> </u>   |
| 212251_at                             | 0.018023 | Homo sapiens LYRIC mRNA,                              | Al972475    | Hs.395896   |  |
|                                       | 7 1 1    | complete cds  |             |             |  |
| 212274_at                             | 0.041795 | Consensus includes                                    | D80010      |             | NP_663731  |
| 8 9                                   |          | gb:AV705559 /FEA=EST                                  |             |             |  |
|                                       |          | /DB_XREF=gi:10722858                                  |             |             | , ,  |
| , , , , , , , , , , , , , , , , , , , |          | /DB_XREF=est:AV705559                                 |             |             |  |
|                                       |          | /CLONE=ADBAPE04                                       | + *         |             |  |
| **                                    |          | /UG=Hs.81412 lipin 1                                  |             |             |  |
| 212276_at                             | 0.046749 | Consensus includes gb:D80010.1                        | D80010      |             | NP_663731  |
| _                                     |          | /DEF=Human mRNA for                                   | • 1.00      |             |  |
| α .                                   |          | KIAA0188 gene, partial cds.                           |             |             |  |
|                                       | * :      | /FEA=mRNA /GEN=KIAA0188                               |             |             |  |
| i.                                    |          | /DB_XREF=gi:1136435                                   |             | Ţ:          |  |
| * '                                   |          | /UG=Hs.81412 lipin 1                                  | 1           |             |  |
| *                                     |          |   | **          | .`          |  |
| 212291_at                             | 0.028893 | Consensus includes gb:Al393355                        | AB014530    | · ·         | NP_689909  |
|                                       |          | /FEA=EST  |             |             |  |
|                                       |          | /DB XREF=gi:4222902                                   |             | ,           | · ·  |
|                                       | ł        | //DB_XREF=est:tg44d05.x1                              |             |             | <b>!</b> .                                       |
| 14                                    | :        | /CLONE=IMAGE:2111625                                  |             |             |  |
|                                       |          | /UG=Hs.12259 KIAA0630 protein                         | . ^ `       |             |  |
|                                       | 1 .      | 1/00+113.12203 NIZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ |             |             | 1  |
| 212205 2 24                           | 0.019022 | Homo sapiens, clone MGC:18288                         | AW452623    | Hs.409092   | -  |
| 212295_s_at                           | 0.010023 | l · · · · · · · · · · · · · · · · · · ·               | 1           | 1 15.408082 |  |
|                                       |          | IMAGE:4179238, mRNA, complete                         |             |             | 1  |
| Ļ                                     | <u> </u> | cds   | <del></del> | <u></u>     | <u></u>  |

| Gen            | p-value  | ng to Figure 19 - Coronary Artery  <br> Description                                 | Gene         | Unig ne   | Protein   |
|----------------|----------|---|--------------|-----------|-----------|
| Identifier     | p-value  | Description   | Accession    | Accession | Accession |
| identiller     | •        |   |              |           |           |
| 242206 -+      | 0.046740 | Consession in the latter  | No.          | No.       | No.       |
| 212296_at      | 0.046749 | Consensus includes  | NM_005805    |           | NP_005796 |
|                |          | gb:NM_005805.1 /DEF=Homo  |              |           |           |
|                |          | sapiens 26S proteasome-   | , .          |           |           |
|                |          | associated pad1 homolog   | 1)(1 ×       |           | **        |
| ,              |          | (POH1), mRNA. /FEA=CDS  |              |           |           |
| -<br>-         | ,        | /GEN=POH1 /PROD=26S   |              |           |           |
|                |          | proteasome-associated pad1  |              |           |           |
| and the        |          | homolog /DB_XREF=gi:5031980   | •            |           |           |
|                |          | /UG=Hs.178761 26S proteasome-   |              |           | ·         |
|                | • •      | associated pad1 homolog   |              |           |           |
|                |          | /FL=gb:U86782.1   | 9            |           |           |
|                | 1.       | gb:NM_005805.1  | *            |           |           |
| 212303_x at    | 0.018973 | KH-type splicing regulatory protein   | BG255575     | Hs.91142  | NP_003676 |
| 212000_x_at    | 0.010373 | (FUSE binding protein 2)  | DG233373     | 113.31142 | NF_003076 |
| 212314 at      | 0.035394 | Consensus includes  | AB040200     |           |           |
| 212314_at      | 0.025284 |   | AB018289     | ·         |           |
| . *.           |          | gb:AB018289.1 /DEF=Homo   | **           |           |           |
|                |          | sapiens mRNA for KIAA0746   | 9            | <b>→</b>  |           |
|                |          | protein, partial cds. /FEA=mRNA   |              |           |           |
|                |          | /GEN=KIAA0746   |              |           | - 30      |
|                |          | /PROD=KIAA0746 protein  |              |           |           |
|                | * .      | /DB_XREF=gi:3882212   | · ·          |           |           |
| · .            | . 1      | /UG=Hs.49500 KIAA0746 protein   |              |           |           |
|                | ۲.       |   | 1 (          |           |           |
| 212318_at      | 0.046749 | Consensus includes  | NM 012470    |           | NP 036602 |
| , <del>-</del> |          | gb:NM_012470.1, /DEF=Homo   | <del>-</del> | :         | _         |
|                |          | sapiens transportin-SR (TRN-  |              |           | i-        |
|                | -8-      | SR), mRNA /FEA=CDS  | - 0          |           | , ,       |
|                |          | /GEN=TRN-SR   | ( · )        |           |           |
|                |          | /PROD=transportin-SR  | e <b>'</b>   |           | +         |
| •              |          |   | <b>.</b>     | •         |           |
|                |          | /DB_XREF=gi:6912733   | , i          |           |           |
|                |          | /UG=Hs.69235 transportin-SR   |              |           | 0         |
| 040054         | 0.010000 | /FL=gb:NM_012470.1  | 110000       |           |           |
| 212351_at      | 0.018023 | Consensus includes gb:U23028.1  |              |           |           |
|                | ,        | /DEF=Human eukaryotic initiation  | ·            |           |           |
|                |          | Ifactor OP ancilon mDNA norticl   | Į.           | l .       |           |
| •              |          | factor 2B-epsilon mRNA, partial   |              |           |           |
|                |          | cds. /FEA=mRNA /PROD=eIF-   |              | r.        |           |
|                |          |   | ,            | x e       | -         |
|                |          | cds. /FEA=mRNA /PROD=eIF-   |              |           | *         |
|                |          | cds. /FEA=mRNA /PROD=eIF-<br>2Bepsilon /DB_XREF=gi:806853<br>/UG=Hs.2437 eukaryotic |              |           | -         |
|                |          | cds. /FEA=mRNA /PROD=eIF-<br>2Bepsilon /DB_XREF=gi:806853                           | · · ·        |           | -         |

| Gene List Co       | rrespondir | ng to Figur 19 - Coronary Artery I  | Disease                  | . 2                         |                             |
|--------------------|------------|---|--------------------------|-----------------------------|-----------------------------|
| G ne<br>Identifier |            | D scription   | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 212372 at          | 0.020576   | Consensus includes  | AK026977                 |                             |                             |
|                    |            | gb:AK026977.1 /DEF=Homo<br>sapiens cDNA: FLJ23324 fis,<br>clone HEP12482, highly similar<br>to HUMMYOHCB Human  |                          |                             | 190                         |
|                    |            | nonmuscle myosin heavy chain-B (MYH10) mRNA. /FEA=mRNA /DB_XREF=gi:10439970 /UG=Hs.296842 Homo sapiens, clone IMAGE:3357927, mRNA, partial cds  | *                        |                             |                             |
| 212376_s_at        | 0.023856   | E1A binding protein p400  | BE880591                 | Hs.306094                   | NP_056224                   |
| 212380_at          | 0.026013   | Consensus includes gb:D43949.1<br>/DEF=Human mRNA for<br>KIAA0082 gene, partial cds.<br>/FEA=mRNA /GEN=KIAA0082<br>/DB_XREF=gi:603952<br>/UG=Hs.154045 KIAA0082<br>protein                      | D43949                   |                             | NP_055865                   |
| 212398_at          | 0.025284   | Consensus includes gb:Al057093<br>/FEA=EST<br>/DB_XREF=gi:3330969<br>/DB_XREF=est:oz23e12.x1<br>/CLONE=IMAGE:1676206<br>/UG=Hs.263671 Homo sapiens  | AL137751                 | 4                           |                             |
|                    |            | mRNA; cDNA DKFZp434I0812<br>(from clone DKFZp434I0812);<br>partial cds  |                          |                             |                             |
| 212399_s_at        | 0.018023   | Consensus includes gb:D50911.2 /DEF=Homo sapiens mRNA for KIAA0121 protein, partial cds. /FEA=mRNA /GEN=KIAA0121 /PROD=KIAA0121 protein /DB_XREF=gi:6633996 /UG=Hs.155584 KIAA0121 gene product | D50911                   |                             |                             |
| 212426_s_at        | 0.046749   | tyrosine 3-<br>monooxygenase/tryptophan 5-<br>monooxygenase activation protein,   | BF033313                 | Hs.74405                    | NP_006817                   |
| 212454_x_at        | 0.046749   | theta polypeptide<br>heterogeneous nuclear<br>ribonucleoprotein D-like  | AI762552                 | Hs.170311                   | NP_112740                   |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery I  | Diseas                   |                             |                             |
|--------------------|------------|--|--------------------------|-----------------------------|-----------------------------|
| Gene<br>Id ntifier | p-value    | Description  | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 212456_at          | 0.045316   | Consensus includes<br>gb:AB014564.1 /DEF=Homo<br>sapiens mRNA for KIAA0664   | AB014564                 |                             | NP_056044                   |
|                    | 3          | protein, partial cds. /FEA=mRNA<br>/GEN=KIAA0664<br>/PROD=KIAA0664 protein<br>/DB_XREF=gi:3327141<br>/UG=Hs.22616 KIAA0664 protein                               | ,                        |                             |                             |
| 212486 s at        | 0.018023   | ESTs   | N20923                   | Hs.388309                   |                             |
| 212503_s_at        |            | KIAA0934 protein   | N31807                   | Hs.227716                   |                             |
| 212514_x_at        |            | DEAD/H (Asp-Glu-Ala-Asp/His)<br>box polypeptide 3  | R60068                   | Hs.380774                   | NP_076829                   |
| 212520_s_at        | 0.028893   | SWI/SNF related, matrix<br>associated, actin dependent<br>regulator of chromatin, subfamily<br>a, member 4   | Al684141                 | Hs.78202                    | NP_003063                   |
| 212534_at          | 0.034721   | Homo sapiens OVN6-2 mRNA, partial cds  | AU144066                 | Hs.285519                   |                             |
| 212538_at          | 0.034721   | zizimin1   | AL576253                 | Hs.8021                     | NP 056111                   |
| 212539_at          | 0.034721   | hypothetical protein FLJ22530  | Al422099                 | Hs.14570                    | NP 078844                   |
| 212546_s_at        | 0.025284   | Consensus includes gb:AI126634 /FEA=EST /DB_XREF=gi:3595148 /DB_XREF=est:qd83b10.x1 /CLONE=IMAGE:1736059 /UG=Hs.169600 KIAA0826 protein                          | AB020633                 |                             |                             |
| 212589_at          | 0.019292   | related RAS viral (r-ras) oncogene homolog 2   | BG168858                 | Hs:206097                   | NP_036382                   |
| 212602_at          | 0.046749   |  | AI806395_                | Hs.198135                   | NP_848700                   |
| 212607_at          | 0.018023   | Consensus includes gb:N32526 /FEA=EST /DB_XREF=gi:1152925 /DB_XREF=est:yy11f04.s1 /CLONE=IMAGE:270943 /UG=Hs.300642 serologically defined colon cancer antigen 8 | U79271                   |                             | NP_006633                   |
| 212616_at          | 0.046749   | Consensus includes<br>gb:BF668950 /FEA=EST<br>/DB_XREF=gi:11942845<br>/DB_XREF=est:602123069F1<br>/CLONE=IMAGE:4280153<br>/UG=Hs.10351 KIAA0308 protein          | AB002306                 |                             | NP_525127                   |

|             |            | ng to Figure 19 - Coronary Artery    |           |           |            |
|-------------|------------|--------------------------------------|-----------|-----------|------------|
| Gene        | p-value    | Description                          | Gene      | Unigene   | Protein    |
| Identifier  |            | ¥                                    | Accession | Accession | Accession  |
|             |            |                                      | No.       | No.       | No.        |
| 212622_at   | 0.034721   | Consensus includes gb:N64760         | D26067    |           |            |
|             |            | /FEA=EST                             |           |           |            |
|             |            | /DB_XREF=gi:1212589                  | İ         |           |            |
|             |            | /DB_XREF=est:yz30c06.s1              |           |           | 1          |
| ;           |            | /CLONE=IMAGE:284554                  |           | l         | -X-        |
| •           |            | /UG=Hs.174905 KIAA0033               |           |           | ,          |
|             |            | protein                              |           | [         |            |
| 212646_at   | 0.034721   | Consensus includes gb:D42043.1       | D42043    | † · ·     |            |
| _           |            | /DEF=Human mRNA for                  |           |           |            |
|             |            | KIAA0084 gene, partial cds.          |           |           | ,          |
|             |            | /FEA=mRNA /GEN=KIAA0084              | Ţ.        |           |            |
|             | *          | /DB_XREF=gi:577298                   |           |           |            |
|             |            | /UG=Hs.79123 KIAA0084 protein        | - 12      |           | ,          |
|             |            |                                      | 1         |           | *          |
|             |            |                                      | ÷         | 1         |            |
| 212660 at   | 0.046749   | KIAA0239 protein                     | AI735639  | Hs.9729   | NP_056103  |
| 212674_s_at |            | Consensus includes                   | AK002076  | 110.0720  | NP 619520  |
|             | 0.90 (72)  | gb:AK002076.1 /DEF=Homo              | 1         | 1         | -010020    |
|             | <b>}</b> . | sapiens cDNA FLJ11214 fis,           | 1         | \ ·       |            |
|             | Y.         | clone PLACE1007990.                  |           | -         | - X -      |
|             |            | /FEA=mRNA                            |           | · ·       |            |
|             |            | /DB_XREF=gi:7023738                  | -         | ( ·       | İ '        |
|             | ·); ·      | /UG=Hs.281616 Homo sapiens           |           |           |            |
|             | Į          | cDNA FLJ11214 fis, clone             | Į         | i         | ļ          |
|             |            | PLACE1007990                         |           | 100       |            |
| 212690_at   | 0.018023   | Consensus includes                   | AB018268  |           | 1.7        |
| 212090_at   | 0.010023   | gb:AB018268.1 /DEF=Homo              | AD0 10200 |           |            |
|             |            | sapiens mRNA for KIAA0725            |           |           |            |
|             |            |                                      | +         | ,         | ļ          |
|             | 1          | protein, partial cds. /FEA=mRNA      |           | 1         | *          |
| •           |            | /GEN=KIAA0725                        | -89       |           | ł          |
|             |            | /PROD=KIAA0725 protein               |           |           |            |
|             |            | /DB_XREF=gi:3882170                  |           |           | ,          |
| ÷           |            | /UG=Hs.26450 KIAA0725 protein        |           | •         |            |
| 212602+     | 0.024704   | LDC recommission and into the fields | MCOCOC    | 110 00054 | ND 000747  |
| 212692_s_at | 0.034721   | LPS-responsive vesicle trafficking,  | W60686    | Hs.62354  | NP_006717  |
|             |            | beach and anchor containing          |           | ]         |            |
| 212693 at   | 0.040064   | MDN11 midggin hamplag (icas-1)       | BE670000  | Un 76720  | ND 055400  |
|             |            | MDN1, midasin homolog (yeast)        | BE670928  | Hs.76730  | NP_055426  |
| 212696 s at |            | ring finger protein 4                | BF968633  | Hs.66394  | NP_002929  |
| 212704_at   |            | KIAA0191 protein                     | AI049962  | Hs.394825 | 110 440004 |
| 212720_at   | 0.034/21   | poly(A) polymerase alpha             | BG110231  | Hs.49007  | NP_116021  |

|                 |           | ig to Figure 19 - Coronary Artery I |           |  |               |
|-----------------|-----------|-------------------------------------|-----------|--|---------------|
| Gene            | p-value   | Description                         | Gene      | Unigene                                      | Protein       |
| ldentifier      |           | *                                   | Accession | Accession                                    | Accession     |
| ·               |           |                                     | No.       | No.  | No.           |
| 212772_s_at     | 0.034721  | Consensus includes                  | AL162060  |  | NP_001597     |
| and the         |           | gb:AL162060.1 /DEF=Homo             |           |  |               |
|                 | 0         | sapiens mRNA; cDNA                  |           |  |               |
|                 |           | DKFZp547P193 (from clone            | - 00      | } `.   |               |
|                 |           | DKFZp547P193); partial cds.         |           | ļ, ·   |               |
|                 |           | /FEA=mRNA                           |           |  |               |
|                 |           | /GEN=DKFZp547P193                   |           |  |               |
|                 |           | /PROD=hypothetical protein          |           |  |               |
|                 |           | /DB_XREF=gi:7328110                 |           |  |               |
| · :             | **        | /UG=Hs.94806 KIAA1062 protein       | * +       | · ·  | **            |
|                 |           |                                     |           | ,  |               |
| 212777_at       | 0.034721  | Consensus includes gb:L13857.1      | L13857    |  | NP 005624     |
| _               | . "       | /DEF=Human guanine nucleotide       |           |  | _             |
|                 |           | exchange factor mRNA,               |           |  |               |
|                 | *         | complete cds. /FEA=CDS              |           |  | 41            |
|                 | ٦ ،       | /PROD=guanine nucleotide            |           | •  |               |
| • ." •          |           | exchange factor                     |           |  |               |
| *               |           | /DB_XREF=gi:306777                  | 0.1       |  |               |
| +               |           | /UG=Hs.326392 son of                |           |  |               |
| 'a              |           | sevenless (Drosophila) homolog      |           |  |               |
| · · ·           | •         | 1 /FL=gb:L13857.1                   |           |  |               |
| 212791 at       | 0.046749  | hypothetical protein FLJ38984       | AL042729  | Hs.112023                                    | NP 689587     |
| 212798 s at     |           | Consensus includes                  | AK001389  | 3.   | NP 064715     |
|                 |           | gb:AK001389.1 /DEF=Homo             |           |  |               |
|                 |           | sapiens cDNA FLJ10527 fis,          |           | 7 C  |               |
|                 |           | clone NT2RP2000932, highly          |           |  |               |
| • • •           |           | similar to Homo sapiens mRNA;       | *         |  |               |
|                 | *:        | cDNA DKFZp564O043.                  |           | y  | to the second |
|                 |           | /FEA=mRNA                           | 1         |  | · .           |
| 0               |           | /DB_XREF=gi:7022618                 | 180.00    |  | 1             |
| •               | 1 .       | /UG=Hs.15144 hypothetical           |           |  | <b>\</b> .    |
| :               | i ·       | protein DKFZp564O043                |           |  |               |
| 212804 s at     | 0.025284  | Consensus includes gb:Al797397      | AK023841  |  |               |
| _ , _ , _ , _ , |           | /FEA=EST                            |           | *  |               |
|                 |           | /DB_XREF=gi:5362869                 |           |  | [*.           |
|                 |           | /DB_XREF=est:we87f12.x1             |           | 1  |               |
| -               |           | /CLONE=IMAGE:2348111                |           |  |               |
| >               |           | /UG=Hs.172069 DKFZP434C212          | , "       |  | 1             |
|                 |           | protein                             | ,         |  |               |
| 212842_x_at     | 0.046740  | RAN binding protein 2               | AL043571  | Hs.179825                                    | NP_115636     |
| 212869 x at     |           | tumor protein, translationally-     | AI721229  | Hs.279860                                    | NP_003286     |
| 2 12009_X_at    | 0.0047,21 | controlled 1                        | 71121229  | 113.27 8000                                  | 1117_003200   |
|                 |           | Toolia olied 1                      | I         | <u>.                                    </u> |               |

|                    |          | ng to Figure 19 - Coronary Artery |                   |  |                      |
|--------------------|----------|-----------------------------------|-------------------|--|----------------------|
| Gene<br>Id ntifier | p-value  | Description                       | Gene<br>Accession | Unigene<br>Accession                                   | Protein<br>Accession |
|                    |          |                                   | No.               | No.  | No.                  |
| 212886 at          | 0.034721 | Consensus includes                | AL080169          |  | NP_056436            |
| 1 8                |          | gb:AL080169.1 /DEF=Homo           |                   |  |                      |
| :                  |          | sapiens mRNA; cDNA                |                   |  |                      |
|                    | *        | DKFZp434C171 (from clone          |                   | *  | •                    |
|                    |          | DKFZp434C171); partial cds.       |                   |  | ,                    |
| •                  |          | /FEA=mRNA                         | <u>.</u>          |  |                      |
|                    |          | /GEN=DKFZp434C171                 |                   | ļ  |                      |
|                    |          | /PROD=hypothetical protein        |                   | . * ×  |                      |
|                    |          | /DB_XREF=gi:5262637               | *                 |  |                      |
| *                  |          | /UG=Hs.209100 DKFZP434C171        |                   |  |                      |
|                    | ,        | protein                           | ``                |  |                      |
| 212902_at          | 0.046749 | GTP-binding protein Sara          | BE645231          | Hs.279582  |                      |
| 212918_at          | 0.034721 | RecQ protein-like (DNA helicase   | BF219234          | Hs.235069  | NP_079130            |
| * *                |          | Q1-like)                          |                   |  |                      |
| 212927_at          | 0.034721 | Consensus includes                | AB011166          | 17   | NP_055925            |
| •                  |          | gb:AB011166.1 /DEF=Homo           |                   | ·  |                      |
| ·                  |          | sapiens mRNA for KIAA0594         |                   |  | 5 E                  |
| **                 |          | protein, partial cds. /FEA=mRNA   |                   |  |                      |
|                    |          | /GEN=KIAA0594                     |                   |  |                      |
|                    |          | /PROD=KIAA0594 protein            |                   | 10 <sup>th</sup> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                      |
|                    |          | /DB_XREF=gi:3043711               |                   |  |                      |
|                    | *        | /UG=Hs.103283 KIAA0594            |                   |  |                      |
| 4                  |          | protein                           |                   |  |                      |
| 212932_at          | 0.026013 | Consensus includes                | AK022494          |  |                      |
|                    |          | gb:AK022494.1 /DEF=Homo           | *                 |  |                      |
| ٠,                 |          | sapiens cDNA FLJ12432 fis,        | e.                |  |                      |
| ٠.                 |          | clone NT2RM1000018, highly        | ļ.                | . "  | [                    |
|                    |          | similar to Human mRNA for         |                   |  |                      |
|                    | * *      | KIAA0066 gene. /FEA=mRNA          |                   | -  |                      |
|                    |          | /DB_XREF=gi:10433912              | ,                 |  | 1.0                  |
|                    |          | /UG=Hs.227881 RAB3 GTPase-        |                   |  | <b>!</b>             |
|                    |          | ACTIVATING PROTEIN                |                   |  |                      |
|                    | 0.018222 |                                   | BE543527          | Hs.16411   | 7.2                  |
| 213006_at          | 0.034721 | CCAAT/enhancer binding protein    | AV655640          | Hs.76722   | NP_005186            |
| 040040             | 0.004704 | (C/EBP), delta                    | 1100=00           | 11.001115  |                      |
| 213018_at          | 0.034721 | ocular development-associated     | Al337901          | Hs.21145   | NP_066990            |
| 040000             | 0.010710 | gene                              | 1114 60=101       |  |                      |
| 213022_s_at        | 0.046749 | Consensus includes                | NM_007124         |  | NP_009055            |
|                    |          | gb:NM_007124.1 /DEF=Homo          | • •               |  |                      |
|                    | ļ        | sapiens utrophin (homologous to   | e                 | · /  |                      |
|                    |          | dystrophin) (UTRN), mRNA.         |                   | 1  | •                    |
|                    |          | /FEA=CDS /GEN=UTRN                | • 7.5             | }  | c .                  |
|                    |          | /PROD=utrophin                    |                   | - 20   |                      |
|                    |          | /DB_XREF=gi:6005937               |                   | 1 .  |                      |
| 9                  |          | /UG=Hs.251967 utrophin            | .**               |  |                      |
| •                  | · ·      | (homologous to dystrophin)        | 1                 |  | ] .                  |
|                    | L        | /FL=gb:NM_007124.1                |                   |  |                      |

| Gene List Co                          |            | ig to Figure 19 - Coronary Artery I | Disease                                 |             |                         |
|---------------------------------------|------------|-------------------------------------|---|-------------|-------------------------|
| Gene                                  | p-value    | Description                         | Gn                                      | Unigene     | Protein                 |
| ldentifier                            |            |                                     | Accession                               | Accession   | Accession               |
|                                       |            |                                     | No.                                     | No.         | No.                     |
| 213041 s at                           | 0.046749   | ATP synthase, H+ transporting,      | BE798517                                | Hs:89761    | NP 001678               |
| <del></del> .                         |            | mitochondrial F1 complex, delta     |   |             |                         |
|                                       |            | subunit                             |   | į.          |                         |
| 213079_at                             | 0.025284   | hypothetical protein DT1P1A10       | AA223871                                | Hs.178207   | NP 477511               |
| 213088 s at                           |            | DnaJ (Hsp40) homolog, subfamily     | BF240590                                | Hs.44131    |                         |
| ~ <del>-</del>                        |            | C, member 9                         |   |             |                         |
| 213089_at                             | 0.019657   | ESTs, Highly similar to T17212      | AU158490                                | Hs.356638   |                         |
| · · · · · · · · · · · · · · · · · · · |            | hypothetical protein                |   |             | 1                       |
| •                                     |            | DKFZp434P211.1 - human              | *                                       |             | * 4                     |
|                                       |            | (fragments) [H.sapiens]             |   |             | ·                       |
| 213104 at                             | 0.025284   | Consensus includes gb:Al799802      | AL031709                                |             | - :                     |
| •                                     |            | /FEA=EST                            |   |             | :                       |
|                                       | * 1        | /DB_XREF=gi:5365274                 | ·                                       |             |                         |
|                                       | ,          | /DB_XREF=est:wc43d09.x1             |   |             |                         |
|                                       | . * .      | /CLONE=IMAGE:2321393                |   |             |                         |
|                                       |            | /UG=Hs.134846 Human DNA             |   |             |                         |
| 8                                     | -          | sequence from clone 316G12          |   |             | *                       |
|                                       |            | on chromosome 16. Contains          | ; · · · · · · · · · · · · · · · · · · · | · ·         |                         |
|                                       |            | the gene for C2 domain protein      | 00                                      | • •         | 1                       |
|                                       |            | KIAA0734, the gene for a novel      |   | -           | •                       |
| T                                     |            | protein similar to predicted        |   |             |                         |
|                                       |            | yeast, worm and archae-bacterial    | - (-                                    |             |                         |
| ı                                     |            | proteins, a novel gene and the      |   |             |                         |
|                                       |            | 3 part of the gene for a novel      | 0.                                      | ļ           | -8-                     |
|                                       |            | prot                                |   | 0.          |                         |
| 213134 x at                           | 0.025284   | BTG family, member 3                | AI765445                                | Hs.77311    | NP_006797               |
| 213156_at                             |            | Consensus includes                  | AL049423                                | 110.77011   | 141 _0007.07            |
| 2 . 0 . 0 0 _ a.t                     | ا ما ما ما | gb:BG251521 /FEA=EST                | 10 10 120                               | _           |                         |
|                                       | 7.         | /DB_XREF=gi:12761337                |   |             |                         |
|                                       |            | /DB_XREF=est:602363985F1            |   |             | <b>\</b>                |
|                                       |            | /CLONE=IMAGE:4472180                |   |             |                         |
|                                       |            | /UG≑Hs.16193 Homo sapiens           | · · · · · · ·                           |             |                         |
|                                       |            | mRNA; cDNA DKFZp586B211             |   |             |                         |
| · :                                   |            | (from clone DKFZp586B211)           | ·                                       |             | · .                     |
| 213164 at                             | 0.034721   | ESTs, Weakly similar to A43932      | AI867198                                | Hs.389698   | NP_008864               |
| £ 10 104_at                           | 0.004121   | mucin 2 precursor, intestinal -     | Lugor igo                               | 1113.303030 | 114F_00000 <del>4</del> |
|                                       | ·          |                                     |   |             | (4)                     |
| 212107 4 =1                           | 0.046740   | human (fragments) [H.sapiens]       | DCE20EC4                                | Uo 111224   | <del></del>             |
| ∠13101_X_at                           | 1_0.040749 | ferritin, light polypeptide         | BG538564                                | Hs.111334   |                         |

|             |          | ng to Figure 19 - Coronary Artery I          |                                       | The second |           |
|-------------|----------|--|---------------------------------------|------------|-----------|
| Gene        | p-value  | Description                                  | Gene                                  | Unigene    | Protein   |
| Identifier  |          | *  | Accession                             | Accession  | Accession |
| ).          |          |  | No.                                   | No.        | No.       |
| 213213 at   | 0.025284 | Consensus includes                           | AL035669                              |            |           |
|             |          | gb:AL035669 /DEF=Human DNA                   |                                       |            |           |
|             |          | sequence from clone RP5-885L7                |                                       | İ          |           |
|             | 1        | on chromosome 20q13.2-13.33                  |                                       |            |           |
|             |          | Contains ESTs, STSs, GSSs                    |                                       |            |           |
| •           |          | and eight CpG islands. Contains              | , '                                   |            |           |
|             |          | the 3 end of the NTSR1 gene                  |                                       | . * .      |           |
|             |          |  | ,                                     | 1          | +         |
|             |          | for high affinity neurotensin                |                                       |            |           |
| •           |          | receptor 1, a putative novel                 |                                       |            | • •       |
|             |          | gene, a novel gene similar to a              | ,                                     | 0          | ٠.        |
|             | •        | f /FEA=mRNA_3                                | · .                                   |            |           |
|             |          | /DB_XREF=gi:8979786                          |                                       |            |           |
|             | 1        | /UG=Hs.155313 death associated               |                                       | -          | •         |
| •           |          | transcription factor 1                       |                                       |            |           |
|             |          |  |                                       |            |           |
|             |          |  |                                       |            | .•        |
| 213233_s_at | 0.046749 | KIAA1354 protein                             | AA460694                              | Hs.106283  | NP 061335 |
| 213262 at   |          | spastic ataxia of Charlevoix-                | AI932370                              | Hs.159492  | NP_055178 |
|             |          | Saguenay (sacsin)                            | · ·                                   |            |           |
| 213274 s at | 0.018023 | cathepsin B                                  | BE875786                              | Hs.297939  | NP 680093 |
| 213280 at   |          | Consensus includes                           | AK000478                              | 1 1 1 2    |           |
|             | 0.02020  | gb:AK000478.1 /DEF=Homo                      | " " " " " " " " " " " " " " " " " " " |            |           |
|             |          | sapiens cDNA FLJ20471 fis,                   |                                       |            |           |
|             |          | clone KAT06974. /FEA=mRNA                    |                                       |            |           |
|             |          |  |                                       |            |           |
|             |          | //DB_XREF=gi:7020593                         |                                       |            | - '       |
| •           |          | /UG=Hs.301552 KIAA1039                       |                                       |            |           |
| 0.1000.1    | 0007700  | protein                                      | 41.050005                             |            |           |
| 213331_s_at | 0.027792 | Consensus includes                           | AL050385                              |            |           |
| . ,         |          | gb:AV700007 /FEA=EST                         | Į.                                    |            | . **      |
|             |          | /DB_XREF=gi:10301978                         |                                       |            | *         |
|             | 1        | /DB_XREF=est:AV700007                        |                                       |            | ,·        |
|             |          | /CLONE=GKCBQC12                              |                                       |            |           |
|             |          | /UG=Hs.48332 NIMA (never in                  |                                       |            |           |
|             |          | mitosis gene a)-related kinase 1             |                                       |            |           |
|             |          |  | ٠                                     |            |           |
| 213333 at   | 0.023856 | malate dehydrogenase 2, NAD                  | AL520774                              | Hs.343521  | NP_005909 |
|             |          | (mitochondrial)                              |                                       | ·          |           |
| 213353_at   | 0.018023 | ATP-binding cassette, sub-family A           | BF693921                              | Hs.180513  | NP_758424 |
|             |          | (ABC1), member 5                             |                                       |            |           |
| 213355 at   | 0.031704 | Consensus includes gb:Al989567               | AK001922                              |            | NP_006091 |
| 0000_at     | 0.001704 | /FEA=EST                                     |                                       |            |           |
| •           |          | /DB_XREF=gi:5836448                          | ==                                    |            |           |
|             |          | <b>■</b> ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ |                                       |            |           |
|             |          | /DB_XREF=est:ws34e03.x1                      |                                       |            |           |
|             |          | /CLONE=IMAGE:2499100                         | 1                                     |            |           |
| v'          |          | /UG=Hs.34578 alpha2,3-                       | 9                                     |            | **        |
| •           |          | sialyltransferase                            | l                                     |            |           |

|             |          | ng to Figure 19 - Coronary Artery I |              |             | 5 (       |
|-------------|----------|-------------------------------------|--------------|-------------|-----------|
| Gene        | p-value  | Description                         | Gene         | Unigene     | Protein   |
| ldentifier  |          | *                                   | Accession    | Accession   | Accession |
| 040404      | 0.010057 |                                     | No.          | No.         | No.       |
| 213434_at   | 0.019657 | ESTs, Weakly similar to cytokine    | H95263       | Hs.408811   |           |
|             |          | receptor-like factor 2, cytokine    |              |             |           |
| 8 8         |          | receptor CRL2 precusor [Homo        |              |             | Ì         |
| •           |          | sapiens] [H.sapiens]                |              |             | <u>.</u>  |
| 213448_at   |          | metaxin 1                           | Al693193     | Hs.247551   | NP_002446 |
| 213475_s_at | 0.025284 | Consensus includes                  | AC002310     |             |           |
|             |          | gb:AC002310 /DEF=Human              |              |             |           |
|             |          | Chromosome 16 BAC clone             |              |             |           |
|             |          | CIT987SK-A-635H12                   |              |             |           |
|             |          | /FEA=mRNA_2                         |              |             |           |
| -           |          | /DB_XREF=gi:2576342                 | 1            |             | ,         |
|             |          | /UG=Hs.174103 integrin, alpha L     |              | 141         |           |
|             | -00      | (antigen CD11A (p180),              |              |             | · · · .   |
| e.          | 8        | lymphocyte function-associated      |              |             | . *       |
|             |          | antigen 1; alpha polypeptide)       |              |             |           |
| 213483_at   | 0.018023 | Consensus includes                  | AK025679     |             | NP_056157 |
| <del></del> |          | gb:AK025679.1 /DEF=Homo             |              |             |           |
|             |          | sapiens cDNA: FLJ22026 fis,         |              |             | ' '       |
|             | Ì        | clone HEP08537. /FEA=mRNA           |              | -)(-        | 1         |
|             |          | /DB_XREF=gi:10438273                |              | -           |           |
| <i>e</i> _  |          | /UG=Hs.1191 KIAA0073 protein        | *            |             |           |
| 213494 s at | 0.027792 | YY1 transcription factor            | AA748649     | Hs.97496    | NP_003394 |
| 213504_at   |          | COP9 subunit 6 (MOV34 homolog,      | W63732       | Hs.15591    | NP_006824 |
|             |          | 34 kD)                              |              |             |           |
| 213521_at   | 0.025284 |                                     | AW575379     | Hs.356456   |           |
| 213524_s_at |          | Consensus includes                  | NM 015714    | 1.0.000.00  | NP 056529 |
|             | 0.000201 | gb:NM_015714.1 /DEF=Homo            | 11111_010714 | **          | _000020   |
|             | '        | sapiens putative lymphocyte         |              |             |           |
|             |          | G0G1 switch gene (G0S2),            | •            |             | · '       |
| ••          |          | mRNA. /FEA=CDS /GEN=G0S2            |              |             |           |
|             |          | /PROD=putative lymphocyte           |              |             | ,         |
|             | -        | G0G1 switch gene                    | · .          |             |           |
|             |          | /DB_XREF=gi:7657103                 | ,            |             | ′         |
|             |          |                                     |              |             | 0         |
|             |          | /UG=Hs.95910 putative               |              | -           |           |
|             |          | lymphocyte G0G1 switch gene         | ]            |             |           |
| 242527      | 0.040744 | /FL=gb:NM_015714.1                  | 11050500     | 11- 004 400 | ND COOCE  |
| 213527_s_at | U.U48/41 | similar to hypothetical protein     | Al350500     | Hs.301463   | NP_660314 |
|             | <u> </u> | MGC13138                            | L            |             |           |

| Gene List Co | rrespondir | ng to Figure 19 - Coronary Artery     | Disease 🔻 🔣 |             |              |
|--------------|------------|---------------------------------------|-------------|-------------|--------------|
| Gene         | p-value    | Description                           | Gene        | Unigene     | Protein      |
| ldentifier   |            | *                                     | Accession   | Accession   | Accession    |
|              | `          |                                       | No.         | No.         | No.          |
| 213546 at    | 0.046749   | Consensus includes                    | AL050378    | 110.        | NP_689960    |
| 00 .0_a.     |            | gb:AL050378.1 /DEF=Homo               |             |             |              |
|              | •          | sapiens mRNA; cDNA                    |             |             |              |
|              |            | DKFZp586I1420 (from clone             | ·           |             |              |
| -            |            | DKFZp586I1420); partial cds.          |             |             |              |
|              | 1          | /FEA=mRNA                             |             |             |              |
|              |            |                                       |             |             | 1            |
|              |            | /GEN=DKFZp586I1420                    |             |             |              |
|              | ,          | /PROD=hypothetical protein            |             |             | 1            |
|              |            | /DB_XREF=gi:4914581                   |             |             | 1            |
| :            |            | /UG=Hs.112423 Homo sapiens            |             | 1           | 1.           |
|              |            | mRNA; cDNA DKFZp586l1420              |             | ·           | 1.           |
| •            |            | (from clone DKFZp586I1420);           | •           |             | 9            |
|              |            | partial cds                           |             |             |              |
| 213551_x_at  |            | zinc finger protein 144 (Mel-18)      | Al744229    | Hs.184669   |              |
| 213587_s_at  | 0.018023   | vacuolar proton-ATPase subunit        | Al884867    | Hs.351612   | -            |
| 213605_s_at  | 0.018023   | Consensus includes                    | AL049987    |             |              |
|              |            | gb:AL049987.1 /DEF=Homo               |             | ļ .         | *            |
|              |            | sapiens mRNA; cDNA                    |             |             |              |
|              |            | DKFZp564F112 (from clone              |             |             |              |
|              |            | DKFZp564F112). /FEA=mRNA              |             | 1           |              |
|              |            | /DB_XREF=gi:4884238                   | 1.          |             |              |
|              |            | /UG=Hs.166361 Homo sapiens            |             |             | ,            |
|              |            | mRNA; cDNA DKFZp564F112               | •           |             | · X          |
|              |            | (from clone DKFZp564F112)             |             |             |              |
| 213620_s_at  | 0.026842   | intercellular adhesion molecule 2     | AA126728    | Hs.347326   | 2 41         |
| 213639 s at  |            | Consensus includes gb:Al871396        |             | IDS.347326  | ·            |
| 213039_5_at  | 0.035763   |                                       | ABUTTIZ9    | -           |              |
|              |            | /FEA=EST                              |             | }           |              |
|              |            | /DB_XREF=gi:5545445                   | ·           | *           |              |
|              |            | /DB_XREF=est:wl81f07.x1               |             | ł           |              |
|              |            | /CLONE=IMAGE:2431333                  |             |             |              |
|              |            | /UG=Hs.101414 KIAA0557                | }           | · ·         |              |
| 272.7        |            | protein                               |             |             |              |
| 213677_s_at  | 0.018222   | PMS1 postmeiotic segregation          | BG434893    | Hs.111749   | NP_000525    |
|              | <u></u>    | increased 1 (S. cerevisiae)           |             | <u> </u>    |              |
| 213686_at    | 0.034721   |                                       | Al186145    | Hs.404749   |              |
| 213698_at    |            | zinc finger protein 258               | AI805560    | Hs.301637   | NP_660353    |
| 213703_at    | 0.026013   | Homo sapiens cDNA FLJ33034 fis,       | W95043      | Hs.349607   | NP_787049    |
| •            |            | clone THYMU2000236                    |             |             |              |
| 213704_at    | 0.046749   | Rab geranylgeranyltransferase,        | AA129753    | Hs.78948    | NP_004573    |
|              | <u></u>    | beta subunit                          |             |             | _            |
| 213742_at    | 0.019292   | splicing factor, arginine/serine-rich | AW241752    | Hs.11482    | NP 004759    |
| <u>-</u>     | . ,        | 11                                    | [           |             |              |
| 213805_at    | 0.046749   | ESTs, Weakly similar to neuronal      | Al692428    | Hs.392055   | NP 057090    |
| <del>-</del> |            | thread protein [Homo sapiens]         |             |             |              |
|              |            | [H.sapiens]                           |             |             |              |
| 213830_at    | 0.048741   | immunoglobulin heavy constant         | AW007751    | Hs.300697   | <del> </del> |
| <b> </b>     | 1 , ,      | I                                     | 1           | 1.10.000007 | 1            |

|                                       |   | ng to Figure 19 - Cor nary Artery I |           |           |           |
|---------------------------------------|---|-------------------------------------|-----------|-----------|-----------|
| Gene                                  | p-value                                 | Description                         | G ne      | Unigene   | Protein   |
| ldentifier                            | . 4                                     |                                     | Accession | Accession | Accession |
|                                       |   |                                     | No.       | No.       | No.       |
| 213843_x_at                           | 0.038535                                | solute carrier family 6             | AW276522  | Hs.187958 | NP_005620 |
|                                       | • | (neurotransmitter transporter,      |           |           |           |
|                                       |   | creatine), member 8                 |           |           |           |
| 213849_s_at                           | 0.018023                                | protein phosphatase 2 (formerly     | AA974416  | Hs.7688   | NP_004567 |
|                                       |   | 2A), regulatory subunit B (PR 52),  | · ·       | 1         |           |
| <u> </u>                              | •                                       | beta isoform                        |           |           |           |
| 213867_x_at                           | 0.046749                                | actin, beta                         | AA809056  | Hs.288061 | NP_001092 |
| 213872_at                             | 0.036254                                | hypothetical protein FLJ12619       | BE465032  | Hs.7779   | NP_112201 |
| 213876_x_at                           | 0.046749                                | U2 small nuclear ribonucleoprotein  | AW089584  | Hs.171909 |           |
|                                       |   | auxiliary factor, small subunit 2   |           |           |           |
| - " : :                               |   |                                     |           |           |           |
| 213878 at                             | 0.025284                                | RecQ protein-like (DNA helicase     | Al685944  | Hs.235069 | NP_079130 |
| <u> </u>                              | \                                       | Q1-like)                            |           | \ . :     | -         |
| 213892_s_at                           | 0.034721                                | adenine phosphoribosyltransferase   | AA927724  | Hs.28914  | NP_000476 |
|                                       |   |                                     |           |           |           |
| 213906_at                             | 0.025284                                | v-myb myeloblastosis viral          | AW592266  | Hs.300592 |           |
|                                       |   | oncogene homolog (avian)-like 1     |           |           |           |
| 213915_at                             | 0.025284                                | Consensus includes                  | NM_005601 |           | NP_005592 |
|                                       |   | gb:NM_005601.1 /DEF=Homo            |           | (C)       | _         |
|                                       |   | sapiens natural killer cell group   |           |           |           |
|                                       |   | 7 sequence (NKG7), mRNA.            | *         |           |           |
|                                       | ;                                       | /FEA=CDS /GEN=NKG7                  | *         |           |           |
| · · · · · · · · · · · · · · · · · · · |   | /PROD=natural killer cell group     |           | -X-       |           |
|                                       |   | 7 sequence                          | į.        | * *       | }         |
| -                                     |   | /DB_XREF=gi:5031948                 |           | '. :      |           |
| •                                     |   | /UG=Hs.10306 natural killer cell    | . :       |           | . ,       |
|                                       | ĺ                                       | group 7 sequence                    | ·         | -2.       |           |
|                                       |   | /FL=gb:NM_005601.1                  | •         | 1         | • • •     |
| 213931 at                             | 0.018023                                | inhibitor of DNA binding 2,         | AI819238  | Hs.180919 | NP 002157 |
|                                       |   | dominant negative helix-loop-helix  |           |           |           |
|                                       | 0.00                                    | protein                             |           |           |           |
| 213932_x_at                           | 0.018023                                | major histocompatibility complex,   | Al923492  | Hs.77961  | NP_002107 |
|                                       |   | class I, C                          |           |           |           |
| 213936 x at                           | 0.049425                                | ESTs, Moderately similar to         | AW276646  | Hs.355462 | · -       |
|                                       |   | hypothetical protein FLJ20294       |           | \         | 1         |
|                                       |   | [Homo sapiens] [H.sapiens]          |           |           |           |
| 213947 s at                           | 0.031704                                | nucleoporin 210                     | AI867102  | Hs.56966  | NP_079199 |
| 213971_s_at                           |   | joined to JAZF1                     | Al924660  | Hs.197803 | NP_056170 |
| 213982 s_at                           |   | KIAA0471 gene product               | BG107203  | Hs.242271 | NP_055672 |
| 213988 s at                           |   | spermidine/spermine N1-             | BE971383  | Hs.396709 | NP 002961 |
|                                       | 0.0 .00                                 | acetyltransferase                   |           |           |           |
| 214032_at                             | 0.036254                                | ESTs, Highly similar to             | Al817942  | Hs.406272 | <u> </u>  |
|                                       | 1,300204                                | ZA70_HUMAN Tyrosine-protein         | 1         | 1         | ·         |
| , ,                                   |   | kinase ZAP-70 (70 kDa zeta-         | 1         |           |           |
|                                       |   | associated protein) (Syk-related    | -         |           |           |
|                                       | ,                                       | tyrosine kinase) [H.sapiens]        |           | 1         | 1 .       |
| 214054 at                             | 0.018022                                | docking protein 2, 56kDa            | Al828929  | Hs.71215  | NP_003965 |
| 4 17004_al                            |   | KIAA1096 protein                    | AW238632  | Hs.69559  | NP_055987 |

|             |          | ng to Figure 19 - Coronary Artery I   |             |             | 5                                     |
|-------------|----------|---------------------------------------|-------------|-------------|---------------------------------------|
| Gene        | p-value  | Description                           | Gene        | Unigene     | Protein                               |
| ldentifier  |          | *                                     | Accession   | Accession   | Accession                             |
| 41.         |          |                                       | No.         | No.         | No.                                   |
| 214059_at   | 0.042466 | Fc fragment of IgG, low affinity Ilb, | BE049439    | Hs.82316    | NP_006408                             |
| 1           |          | receptor for (CD32)                   |             |             |                                       |
| 214061_at   | 0.019657 | unknown MGC21654 product              | AI017564    | Hs.392896   | NP_663622                             |
| 214131_at   | 0.021876 | Consensus includes                    | AL049280    |             | NP_115965                             |
|             | *        | gb:AL049280.1 /DEF=Homo               |             | ď .         |                                       |
|             |          | sapiens mRNA; cDNA                    |             |             |                                       |
|             | Į .      | DKFZp564K143 (from clone              |             |             | Į.                                    |
|             |          | DKFZp564K143). /FEA=mRNA              |             |             |                                       |
|             |          | /DB_XREF=gi:4500037                   |             |             |                                       |
| •           |          | /UG=Hs.155397 Homo sapiens            |             | n f         | -                                     |
|             |          | mRNA; cDNA DKFZp564K143               |             |             |                                       |
| **          |          | (from clone DKFZp564K143)             |             |             |                                       |
| 214163 at   | 0.018222 | HSPCO34 protein                       | AV700696    | Hs.46967    | · · · · · · · · · · · · · · · · · · · |
| 214241 at   |          | NADH dehydrogenase                    | AA723057    | Hs.198273   | NP_00499                              |
|             | 3.3.3323 | (ubiquinone) 1 beta subcomplex, 8,    |             | 110.100270  | ,                                     |
|             | ,        | 19kDa                                 | *           |             | •                                     |
| 214246 x at | 0.034721 | Misshapen/NIK-related kinase          | AI859060    | Hs.112028   | NP 00007                              |
| 214257_s_at |          | SEC22 vesicle trafficking protein-    | AA890010    | Hs.50785    | NP_00488                              |
|             | 0.0.0020 | like 1 (S. cerevisiae)                |             | 110.00700   |                                       |
| 214298 x at | 0.018023 |                                       | AL568374    | Hs.90998    | NP_66580                              |
| 214308 s at |          | homogentisate 1,2-dioxygenase         | Al478172    | Hs.15113    | NP_00017                              |
| 214000_3_a; | 0.027239 | (homogentisate vidase)                | 7470172     | 113.10113   | 131 -00017                            |
| 214314_s_at | 0.049425 | translation initiation factor IF2     | BE138647    | Hs.158688   | <del> </del>                          |
| 214315_x_at |          | calreticulin                          | Al348935    | Hs.16488    | NP_00433                              |
| 214327 x at |          | tumor protein, translationally-       | AI888178    | Hs.279860   | NP 00328                              |
| 214521_x_at | 0.010023 | controlled 1                          | 1000170     | 115.279000  | NF_00328                              |
| 214339 s at | 0.019333 | mitogen-activated protein kinase      | AA744529    | Hs.86575    | NP_00911                              |
| 214339_S_at | 0.010222 |                                       | AA744529    | LU2:00212   | NF_00911                              |
| 214435_x at | 0.046740 | kinase kinase 1                       | NIM OOF 400 | <del></del> | ND 00520                              |
| 214435_X_at | 0.046749 | Consensus includes                    | NM_005402   | -8-         | NP_00539                              |
|             |          | gb:NM_005402.1 /DEF=Homo              | *           |             |                                       |
| ī, l        | Ī        | sapiens v-ral simian leukemia         |             |             | 1                                     |
|             |          | viral oncogene homolog A (ras         |             | * .         |                                       |
|             |          | related) (RALA), mRNA.                | *           |             | 1                                     |
|             |          | /FEA=CDS /GEN=RALA                    |             |             | -                                     |
|             | 1        | /PROD=v-ral simian leukemia           | 1           | 1           |                                       |
| •           | ,        | viral oncogene homolog A(ras          |             |             |                                       |
| 100         |          | related) /DB_XREF=gi:4885568          | 1           |             | 1                                     |
| 1 .         | 0        | /UG=Hs.288757 v-ral simian            |             |             |                                       |
|             |          | leukemia viral oncogene               |             |             |                                       |
|             |          | homolog A (ras related)               |             |             | [                                     |
| 4.4         | ]        | /FL=gb:M29893.1                       |             |             |                                       |
| *           |          | gb:NM_005402.1                        |             | 1           |                                       |

|                                 |  | ng to Figure 19 - Coronary Artery |   | 11-1-1-1                                | Ductoin   |
|---------------------------------|--|-----------------------------------|---|---|-----------|
| Gene                            | p-value                                | Description                       | Gen                                     | Unigene                                 | Protein   |
| ldentifier                      |  |                                   | Accession                               | Accession                               | Accession |
|                                 |  |                                   | No.                                     | No.                                     | No.       |
| 214455_at                       | 0.034721                               | Consensus includes                | NM_003526                               |   | NP_003517 |
| riger Tillia                    | .,                                     | gb:NM_003526.1 /DEF=Homo          | · · · · · · · · · · · · · · · · · · ·   | -                                       |           |
|                                 |  | sapiens H2B histone family,       |   |   |           |
|                                 | 00                                     | member L (H2BFL); mRNA.           | * · · · · · · · · · · · · · · · · · · · |   |           |
|                                 | *                                      |                                   |   |   |           |
|                                 |  | /FEA=CDS /GEN=H2BFL               | . :                                     | 1                                       |           |
|                                 |  | /PROD=H2B histone family,         | İ                                       |   |           |
|                                 |  | member L                          | ٠,                                      |   |           |
|                                 |  | /DB_XREF=gi:4504272               |   |   |           |
|                                 |  | /UG=Hs.239884 H2B histone         |   |   |           |
|                                 |  | family, member L                  | *                                       |   | . ,       |
| •                               |  | /FL=gb:NM_003526.1                | , .                                     |   |           |
| 214459_x_at                     | 0.034721                               | Consensus includes gb:M12679.1    | M12679                                  |   |           |
| 2 14400_X_at                    | 0.00-721                               | /DEF=Human Cw1 antigen            | 11112010                                |   |           |
|                                 |  |                                   |   | ±1                                      | <b>.</b>  |
| * , ,                           |  | mRNA, complete cds.               | 1                                       |   |           |
|                                 |  | /FEA=mRNA /GEN=HLA-C              |   |   |           |
|                                 |  | /DB_XREF=gi:187911                |   | ļ                                       | (X)       |
|                                 |  | /UG=Hs.274485 Cw1 antigen         |   | 7 \$ 0                                  |           |
|                                 | × .                                    | /FL=gb:M12679.1                   |   |   |           |
| 214483 s at                     | 0.046749                               | Consensus includes                | AF124489                                | 11 11 1                                 | NP 055262 |
|                                 |  | gb:AF124489.1 /DEF=Homo           |   |   |           |
|                                 |  | sapiens arfaptin-1b mRNA,         | ] .                                     | *                                       |           |
| •                               |  |                                   |   |   | •         |
| ••*                             |  | alternatively spliced, complete   | 1                                       |   | :         |
|                                 |  | cds. /FEA=CDS /PROD=arfaptin-     |   |   |           |
|                                 | <b>\</b>                               | 1b /DB_XREF=gi:4761515            | ` ·                                     |   |           |
|                                 |  | /UG=Hs.301064 arfaptin 1          |   |   |           |
|                                 |  | /FL=gb:AF124489.1                 | 2                                       |   |           |
|                                 | ,                                      |                                   |   |   |           |
| 214513_s_at                     | 0.036254                               | Consensus includes gb:M34356.1    | M34356                                  | ) · · · · · · · · · · · · · · · · · · · | NP 604391 |
| · <del>-</del> , - <del>-</del> |  | /DEF=Human active transcription   |   | =                                       |           |
| •                               | }                                      | factor CREB mRNA, complete        |   |   |           |
|                                 |  | cds. /FEA=CDS                     |   |   |           |
|                                 | <b>.</b>                               |                                   | · .                                     | 1                                       |           |
| - 3                             |  | /DB_XREF=gi:181042                | l , · · ·                               | 0 8 0                                   |           |
| 3                               |  | /UG=Hs.79194 cAMP responsive      |   |   |           |
| . 0                             |  | element binding protein 1         |   |   |           |
|                                 | *                                      | /FL=gb:M34356.1                   |   | 1                                       |           |
|                                 |  |                                   |   | ·                                       |           |
| 214525_x at                     | 0.038017                               | Consensus includes                | AB039667                                | 1                                       | NP_055196 |
|                                 |  | gb:AB039667.1 /DEF=Homo           |   |   |           |
| -0                              |  | sapiens mRNA for DNA              | ,                                       | }                                       |           |
|                                 |  | I I                               |   |   |           |
| •                               |  | mismatch repair protein MLH3,     | İ                                       |   | ·         |
|                                 | 1                                      | complete cds. /FEA=CDS            |   |   | 1         |
|                                 | × .                                    | /GEN=MLH3 /PROD=DNA               | (X+)                                    |   |           |
| ,                               |  | mismatch repair protein MLH3      |   |   |           |
| •                               |  | /DB_XREF=gi:7209865               |   |   | 1         |
|                                 |  | /UG=Hs.279843 mutL (E. coli)      | ,                                       |   |           |
| - 0.0                           |  | homolog 3 /FL=gb:AB039667.1       | ļ                                       | 11                                      |           |
| 214657_s at                     | 0.018023                               | Human clone 137308 mRNA,          | AU134977                                | Hs.408944                               |           |
| o_ar                            | 3.5,552                                | partial cds                       | 1.0.10.107                              | 1.75500                                 |           |
| <del></del>                     | ــــــــــــــــــــــــــــــــــــــ | Iparuai cus                       | Ļ                                       |   | L         |

|               |          | ng to Figure 19 - Coronary Artery I |            |                                       |              |
|---------------|----------|-------------------------------------|------------|---------------------------------------|--------------|
| Gene          | p-value  | Description                         | G ne       | Unigene                               | Protein      |
| ldentifier    |          |                                     | Accession  | Accession                             | Accession    |
|               |          |                                     | No.        | No.                                   | No.          |
| 214661_s at   | 0.040064 | gene near HD on 4p16.3 with         | R06783     | Hs.117487                             | -            |
| 2 1400 1_3_ut | 0.040004 | homology to hypothetical S. pombe   |            | 110.117407                            |              |
|               |          |                                     |            |                                       | ,            |
|               |          | gene                                |            | · · · · · · · · · · · · · · · · · · · | <del> </del> |
| 214688_at     | 0.046749 | transducin-like enhancer of split 4 | BF217301   | Hs.83958                              | _            |
|               |          | (E(sp1) homolog, Drosophila)        |            |                                       |              |
| 214697_s_at   | 0.034721 | ROD1 regulator of differentiation 1 | AW190873   | Hs.145078                             | NP_00514     |
| . – –         | . *      | (S. pombe)                          | . ,-       |                                       | . – .        |
| 214721_x_at   | 0.025294 | Consensus includes                  | AL162074   | we have                               | NP 03625     |
| 214/21_x_al   | 0.025264 |                                     | AL 102074  |                                       | NF_03029     |
| •             | ,        | gb:AL162074.1 /DEF=Homo             | ļ          | ļ.                                    |              |
|               |          | sapiens mRNA; cDNA                  |            |                                       | · ·          |
|               |          | DKFZp762L106 (from clone            | ļ ·        |                                       |              |
|               |          | DKFZp762L106); partial cds.         |            |                                       | -            |
|               |          | I/FEA=mRNA                          | 18         |                                       | <b>.</b>     |
|               | -        | \$.                                 |            |                                       | j            |
|               | 0.       | /GEN=DKFZp762L106                   | 1          |                                       |              |
|               |          | /PROD=hypothetical protein          |            |                                       |              |
|               | ı        | /DB_XREF=gi:7328153                 |            | -                                     | ` ·          |
|               |          | /UG=Hs.3903 Cdc42 effector          |            |                                       |              |
|               |          | protein 4; binder of Rho            | <b>[</b> : | •                                     |              |
|               |          | GTPases 4                           |            |                                       |              |
| 04.4700       | 0.040740 | <del></del>                         | 144005457  | -                                     | 110 00000    |
| 214730_s_at   | 0.046749 |                                     | AK025457   |                                       | NP_03633     |
|               |          | gb:AK025457.1 /DEF=Homo             |            |                                       | -            |
|               |          | sapiens cDNA: FLJ21804 fis,         |            |                                       |              |
|               | '        | clone HEP00746, highly similar      |            |                                       |              |
| . I           | 1        | to HSU64791 Human Golgi             |            |                                       | ,            |
|               | 1        |                                     |            |                                       |              |
|               |          | membrane sialoglycoprotein          |            | 3.3                                   | · ·          |
|               | 9        | MG160 (GLG1) mRNA.                  |            |                                       | ,            |
|               |          | /FEA=mRNA                           | •          |                                       |              |
| •             | 1.       | /DB_XREF=gi:10437977                |            |                                       | l .          |
|               | · [      | /UG=Hs.78979 Golgi apparatus        |            | 1                                     |              |
|               |          | protein 1                           |            |                                       |              |
| 24.4720 64    | 0.005004 |                                     | A1067500   | 11- 200020                            | ND 44C4C     |
| 214739_at     |          | hypothetical protein MGC4126        | Al357539   | Hs.289038                             | NP_11616     |
| 214741_at     | 0.048741 | zinc finger protein 131 (clone pHZ- | AW968301   | Hs.78743                              |              |
|               |          | 10)                                 |            |                                       |              |
| 214749_s_at   | 0.046749 | Consensus includes                  | AK000818   | * 1                                   | NP_06188     |
| 7 -           |          | gb:AK000818.1 /DEF=Homo             |            |                                       |              |
|               | 1 .      | sapiens cDNA FLJ20811 fis,          |            |                                       |              |
| •             |          |                                     | }          |                                       | ,            |
|               |          | clone ADSE01435. /FEA=mRNA          |            | 0                                     | 1            |
| •             | 1        | /DB_XREF=gi:7021128                 |            | 1                                     |              |
|               | 1        | /UG=Hs.83530 hypothetical           |            |                                       | 2            |
|               | 1        | protein                             | 1          |                                       | ,            |
| -             |          | F1 - 3-711                          |            |                                       | 1            |
| 214752 4 -4   | 0.040000 | filomin A clabo (activ binding      | AICOFFE    | Un 200070                             | ND 00444     |
| 214752_x_at   | 0.018023 | filamin A, alpha (actin binding     | Al625550   | Hs.328270                             | NP_00144     |
|               |          | protein 280)                        |            | 1                                     |              |

|               |          | ng to Figure 19 - Coronary Artery       |            |                |             |
|---------------|----------|---|------------|----------------|-------------|
| Gene          | p-valu   | Description                             | Gene       | Unigene        | Protein     |
| Identifier    | *        | •                                       | Accession  | Accession      | Accession   |
|               |          | ·                                       | No.        | No.            | No.         |
| 214765 s at   | 0.026013 | Consensus includes                      | AK024677   | NO.            | NP_055250   |
| 2 141 05_5_at | 0.020013 | 1 | <u> </u>   | -              | INL _032550 |
|               |          | gb:AK024677.1 /DEF=Homo                 |            |                |             |
|               |          | sapiens cDNA: FLJ21024 fis,             |            | 20             | 1           |
|               | * .      | clone CAE06651, highly similar          | •          |                |             |
| \$            |          | to HUMPLT Human LTR mRNA.               |            | ,              |             |
|               |          | /FEA=mRNA                               |            |                | · ·         |
|               |          | /DB_XREF=gi:10437016                    | ·          | ·              |             |
|               | ``.      | /UG=Hs.264330 N-                        |            |                | .32         |
|               |          | acylsphingosine amidohydrolase          |            | •              | · ·         |
|               | 8        |   |            |                |             |
| 044705        | 0.040740 | (acid ceramidase)-like                  | 4.0000000  | A 2 9 00 1 4 1 | 150010      |
| 214785_at     | 0.046749 | Consensus includes                      | AB023203   |                | NP_150648   |
|               |          | gb:AB023203.1 /DEF=Homo                 |            |                |             |
|               | •        | sapiens mRNA for KIAA0986               |            | i c            | - 20        |
| :             |          | protein, partial cds. /FEA=mRNA         |            |                | 9           |
|               |          | /GEN=KIAA0986                           | !          | **             |             |
|               |          | /PROD=KIAA0986 protein                  |            |                |             |
|               |          | ·                                       |            | l ' ;          | - :         |
|               | · ·      | /DB_XREF=gi:4589615                     |            | * .            |             |
|               |          | /UG=Hs.53542 KIAA0986 protein           | *          |                | i           |
| ,             |          |   |            |                | 4           |
| 214791_at     | 0.025284 | Consensus includes                      | AK023116   |                | NP_612411   |
| •             |          | gb:AK023116.1 /DEF=Homo                 |            |                |             |
|               |          | sapiens cDNA FLJ13054 fis,              |            |                |             |
|               |          | clone NT2RP3001527, highly              | -00        | ,              |             |
|               | Į.       | similar to Human Sp140 protein          | · ·        | ļ              |             |
| į.            |          |   |            | -8-            |             |
|               | ,        | (Sp140) mRNA /FEA=mRNA                  |            |                |             |
|               |          | /DB_XREF=gi:10434889                    |            |                | ·           |
| •             |          | /UG=Hs.158761 Homo sapiens              |            |                | • *         |
|               |          | cDNA FLJ13054 fis, clone                |            | 1              |             |
|               | ,        | NT2RP3001527, highly similar to         |            |                |             |
|               |          | Human Sp140 protein (Sp140)             |            |                |             |
|               |          | mRNA                                    | ,          |                |             |
|               |          |   |            |                |             |
| 214700 ot     | 0.020017 | KIAAA702 sana product                   | A)A/201661 | No. 6160       | <del></del> |
| 214798_at     |          | KIAA0703 gene product                   | AW291664   | Hs.6168        |             |
| 214869_x_at   | 0.018023 | Consensus includes                      | AK021533   |                | '           |
| -             |          | gb:AK021533.1 /DEF=Homo                 |            | İ              | i v         |
|               |          | sapiens cDNA FLJ11471 fis,              | * .        | ·              | , .         |
|               |          | clone HEMBA1001675, weakly              |            | *              | l'          |
| . ;           |          | similar to VACUOLAR PROTEIN             | *          |                |             |
|               | * .      | SORTING-ASSOCIATED                      |            | ,              | 1           |
|               |          | PROTEIN VPS9. /FEA=mRNA                 |            |                | *           |
|               |          |   | *          | 1              | 1           |
|               |          | /DB_XREF=gi:10432733                    |            |                |             |
|               |          | /UG=Hs.306601 Homo sapiens              |            |                |             |
| 0.4           |          | cDNA FLJ11471 fis, clone                |            |                |             |
| •             |          | HEMBA1001675, weakly similar            |            |                |             |
| *             |          | to VACUOLAR PROTEIN                     |            |                |             |
|               | Į .      | SORTING-ASSOCIATED                      |            | Į              |             |
|               |          | PROTEIN VPS9                            |            |                |             |
| 0             |          | I NOTERIA AEGA                          |            |                |             |
|               | 1        | V                                       | I          |                | i           |

| Gene                                  | p-valu   | ng to Figure 19 - Coronary Artery  <br>Description | Gene      | Mainana   | Protein    |
|---------------------------------------|----------|--|-----------|-----------|------------|
| T 3 7 7                               | p-vaiu   | Description  |           | Unigene   |            |
| ld ntifier                            |          |  | Accession | Accession | Accession  |
|                                       |          |  | No.       | No.       | No.        |
| 214895_s_at                           | 0.046749 | a disintegrin and metalloproteinase                | AU135154  | Hs.172028 | NP_001101  |
| · · · · · · · · · · · · · · · · · · · |          | domain 10  |           |           |            |
| 214946_x_at                           |          | hypothetical protein FLJ10824                      | AV728658  | Hs.13273  |            |
| 214948_s_at                           | 0.046749 | Consensus includes                                 | AL050136  | •         |            |
|                                       | l .      | gb:AL050136.1 /DEF=Homo                            |           | · .       | 1          |
| •                                     |          | sapiens mRNA; cDNA                                 |           |           |            |
|                                       |          | DKFZp586L141 (from clone                           | 1         |           |            |
|                                       | ·        | DKFZp586L141). /FEA=mRNA                           |           |           |            |
|                                       |          | /DB_XREF=gi:4884346                                | -         |           |            |
|                                       |          | /UG=Hs.140945 Homo sapiens                         |           | 2         |            |
|                                       |          | mRNA; cDNA DKFZp586L141                            |           |           | ·          |
|                                       |          | (from clone DKFZp586L141)                          |           |           | -          |
| 214974_x_at                           | 0.034721 | Consensus includes                                 | AK026546  |           | NP 002985  |
| 214374_A_at                           | 0.054721 | gb:AK026546.1 /DEF=Homo                            | 711020040 | -         | 141-002903 |
|                                       |          |  |           |           |            |
|                                       |          | sapiens cDNA: FLJ22893 fis,                        | -         | -         |            |
|                                       | *        | clone KAT04792. /FEA=mRNA                          |           |           |            |
|                                       |          | /DB_XREF=gi:10439427                               |           |           | *          |
| 7                                     | •        | /UG=Hs.287716 Homo sapiens                         | :         |           |            |
| •                                     |          | cDNA: FLJ22893 fis, clone                          |           |           | 9          |
|                                       |          | KAT04792   |           |           | · · ·      |
| 215012_at                             |          | coactivator for steroid receptors                  | AU144775  | Hs.172329 | NP_056370  |
| 215040_at                             | 0.021876 | Consensus includes                                 | AL049218  |           |            |
|                                       | 2.       | gb:AL049218.1 /DEF=Homo                            |           |           |            |
|                                       |          | sapiens mRNA; cDNA                                 |           | .00       |            |
|                                       |          | DKFZp564I1916 (from clone                          |           |           |            |
|                                       |          | DKFZp564I1916). /FEA=mRNA                          | 0         |           |            |
| ,                                     |          | /DB_XREF=gi:4499947                                |           |           | A .        |
|                                       |          | /UG=Hs.306291 Homo sapiens                         |           |           |            |
|                                       |          | mRNA; cDNA DKFZp564I1916                           |           |           |            |
| • •                                   |          | (from clone DKFZp564I1916)                         |           | 1         |            |
| 215075 s at                           | 0.025284 | Consensus includes gb:L29511.1                     | L29511    |           | NP_002077  |
| =                                     |          | /DEF=Human GRB2 isoform                            |           |           |            |
|                                       |          | mRNA. /FEA=mRNA                                    |           |           |            |
|                                       |          | /PROD=growth factor receptor-                      |           |           |            |
|                                       |          | bound protein 3                                    |           |           |            |
|                                       |          |  | \$-       |           |            |
| •                                     |          | //DB_XREF=gi:460667                                | 0         |           |            |
|                                       |          | /UG=Hs.296381 growth factor                        |           |           |            |
|                                       |          | receptor-bound protein 2                           | ļ ·       | L .       |            |

| Gene         | p-value   | Description                       | Gene        | Unigene                                 | Protein     |
|--------------|-----------|-----------------------------------|-------------|---|-------------|
| Identifier   |           |                                   | Accession   | Accession                               | Accession   |
| <i>i</i>     | ,         | *                                 | No.         | No.                                     | No.         |
| 215078 at    | 0.019292  | Consensus includes                | AL050388    | 110.                                    | NP_000627   |
| :            |           | gb:AL050388.1 /DEF=Homo           |             |   |             |
|              |           | sapiens mRNA; cDNA                |             |   |             |
| .,           | i         | DKFZp564M2422 (from clone         | ]           |   | -           |
|              | -         | DKFZp564M2422); partial cds.      |             | X.                                      | \ \ \       |
| •            | ė.        | /FEA=mRNA                         | *           |   |             |
|              |           | /GEN=DKFZp564M2422                | ,           |   |             |
| ,            |           | /PROD=hypothetical protein        |             | l · ·                                   |             |
|              |           | //DB_XREF=gi:4914612              |             |   | × (         |
|              |           | /UG=Hs.306320 Homo sapiens        |             | ,                                       |             |
| · (C)        | j         | mRNA; cDNA DKFZp564M2422          |             |   |             |
| *            |           | (from clone DKFZp564M2422);       | v /4        |   | •           |
|              |           | partial cds                       | •           | *                                       |             |
| 215111_s_at  | 0.034721  | Consensus includes                | AK027071    | <del></del>                             | NP_006013   |
| 2.10111_0_at | 0.004721  | gb:AK027071.1 /DEF=Homo           | 711(02707)  |   | 141 _000013 |
| · · · ·      |           | sapiens cDNA: FLJ23418 fis,       | 1           | * |             |
|              | -         | clone HEP21245, highly similar    | , :         | . ,                                     | 1           |
|              |           | to HSU35048 Human TSC-22          | 1 .         | * **                                    | + .         |
| ÷ • • •      |           | protein mRNA. /FEA=mRNA           | 1           | *                                       |             |
|              |           | /DB_XREF=gi:10440100              |             |   |             |
|              |           | /UG=Hs.114360 transforming        | · · · · · · |   |             |
|              |           | growth factor beta-stimulated     | 1.          | Į.                                      |             |
|              |           | protein TSC-22                    | •           |   | -           |
| 215114 at    | 0.035763  | Consensus includes                | AK000923    |   | NP_056485   |
| 213114_at    | 70.033703 | gb:AK000923.1 /DEF=Homo           | AKOOOSES    |   | INF_000460  |
|              | . 1       | sapiens cDNA FLJ10061 fis,        |             |   |             |
|              |           | clone HEMBA1001413.               | 1           |   |             |
|              |           | /FEA=mRNA                         |             | ·                                       | -           |
|              |           | //DB_XREF=gi:7021892              |             |   | * .         |
| , r          |           | /UG=Hs.118926 sentrinSUMO-        | : .         | 1                                       |             |
| • • • • •    | :         |                                   |             | •                                       |             |
| 215118_s_at  | 0.010444  | specific protease 3               | A)A/E404C0  | 11- 207050                              |             |
| 215110_S_at  | 0.010444  | Homo sapiens translocation        | AW519168    | Hs.367852                               |             |
|              |           | associated fusion protein         |             |   |             |
| ·            |           | IRTA1/IGA1 (IRTA1/IGHA1)          |             |   | -1          |
| 215149 2 24  | 0.005304  | mRNA, complete cds                | N1441544    | He 47500                                | NID COACT   |
| 215148_s_at  | 0.025284  | amyloid beta (A4) precursor       | AI141541    | Hs.17528                                | NP_004877   |
| •            |           | protein-binding, family A, member |             |   |             |
| 045457       | 0.00500:  | 3 (X11-like 2)                    | 141704000   | 11 470405                               | 100 000     |
| 215157_x_at  | 0.025284  | poly(A) binding protein,          | AI734929    | Hs.172182                               | NP_002559   |
| <u>.</u>     | L         | cytoplasmic 1                     |             | 1                                       | Ì           |

|   |            | ng to Figure 19 - Coronary Artery       |           |              | , a       |
|---|------------|---|-----------|--------------|-----------|
| Gene .                                  | p-valu     | Description                             | Gene      | Unigene      | Protein   |
| Identifier                              |            | *,                                      | Accession | Accession    | Accession |
|   |            |   | No.       | No.          | No.       |
| 215193 x at                             | 0.025284   | Consensus includes                      | AJ297586  | 3.1.         | NP_002115 |
|   |            | gb:AJ297586.1 /DEF=Homo                 |           |              |           |
|   |            | sapiens mRNA for MHC class II           | ,         |              | ,         |
| · \                                     |            | antigen (HLA-DRB1 gene),                | -         |              |           |
|   |            | DRB1*0402 allele. /FEA=CDS              |           |              | ,         |
|   | ,          | /GEN=HLA-DRB1 /PROD=MHC                 |           |              |           |
|   |            | class II antigen                        |           |              | ľ         |
|   | ,          | /DB_XREF=gi:10185079                    |           |              | 6         |
|   |            | /UG=Hs.279930 major                     |           |              |           |
|   |            | histocompatibility complex, class       |           |              |           |
|   |            | II, DR beta 3                           |           |              | -30       |
| 215204_at                               | 0.046740   | ESTs, Weakly similar to 2109260A        | A111/7205 | Hs.288575    |           |
| 213204_at                               | 0.0407.49  | B cell growth factor [Homo              | AU 147295 | 1115.200373  | · .       |
|   | · ·        | 1 5                                     | r         |              |           |
| 215206 at                               | 0.020002   | sapiens] [H.sapiens] Consensus includes | AK025143  | <del> </del> |           |
| 215206_at                               | 0.028893   |   | AKU25143  | 0            |           |
|   |            | gb:AK025143.1 /DEF=Homo                 |           |              |           |
|   |            | sapiens cDNA: FLJ21490 fis,             |           |              |           |
|   |            | clone COL05464. /FEA=mRNA               |           |              | ľ         |
|   | ٠.         | /DB_XREF=gi:10437602                    |           |              |           |
| •                                       | -          | /UG=Hs.288700 Homo sapiens              |           | * .          |           |
|   | *          | cDNA: FLJ21490 fis, clone               |           | . :          |           |
|   |            | COL05464                                |           |              | <u> </u>  |
| 215235_at                               | 0.046749   | Consensus includes                      | AL110273  |              | NP_003118 |
|   |            | gb:AL110273.1 /DEF=Homo                 |           |              |           |
|   |            | sapiens mRNA; cDNA                      | :         |              | *         |
| *                                       |            | DKFZp564P0562 (from clone               |           | (X)          |           |
|   |            | DKFZp564P0562); partial cds.            | ,1        | 3            | • • • .   |
| . • • • • • • • • • • • • • • • • • • • | ·          | /FEA=mRNA                               |           |              |           |
| ,                                       | , \        | /GEN=DKFZp564P0562                      |           |              | ļ         |
| . *                                     | . (        | /PROD=hypothetical protein              |           |              |           |
|   |            | /DB_XREF=gi:5817091                     |           |              |           |
| -                                       |            | /UG=Hs.77196 spectrin, alpha,           |           |              |           |
| *                                       |            | non-erythrocytic 1 (alpha-fodrin)       |           |              | *         |
| 215236 s at                             | 0.038017   | ubiquitin carboxyl-terminal             | AV721177  | Hs.114765    | NP 665801 |
|   |            | esterase L1 (ubiquitin                  |           | Y            |           |
| · .                                     |            | thiolesterase)                          |           |              |           |
| 215287 at                               | 0.046749   | Homo sapiens ELISC-1 mRNA,              | AA975427  | Hs.128434    | <u> </u>  |
|   | 0.0 .07 .0 | partial cds                             | 701010121 | 1.0.120101   | -         |
| 215342 s_at                             | 0.042466   | Consensus includes                      | AB019490  |              |           |
|   |            | gb:AB019490.1 /DEF=Homo                 | 1.5010100 | 1            | 1         |
|   | . *        | sapiens IDN4-GGTR7 mRNA,                | ì         | 7            | 1         |
|   | · ·        | partial cds. /FEA=mRNA                  | I .       | 1            |           |
| :                                       |            | /GEN=IDN4-GGTR7                         |           |              |           |
|   |            |   |           |              |           |
| •                                       |            | /DB_XREF=gi:4760540                     |           |              |           |
|   |            | /UG=Hs.242271 KIAA0471 gene             | х.        |              |           |
|   | <u> </u>   | product                                 | L         | <u></u>      | L:        |

| Gene        | p-value   | ng to Figur 19 - Coronary Artery  <br>Description  | Gene      | Unigene          | Protein                  |
|-------------|-----------|--|-----------|------------------|--------------------------|
| Identifier  | IP value  | - Control of the cont | Acc ssion | Accession        | Accession                |
| identinei   |           |  | No        |                  |                          |
| 215483 at   | 0.018073  | Consensus includes   |           | No.              | <b>No.</b><br>NP' 671714 |
| 210400_at   | 0.016973  |  | AK000270  |                  | INP_6/1/14               |
| + 1 + 1 +   |           | gb:AK000270.1 /DEF=Homo  |           |                  |                          |
|             | f         | sapiens cDNA FLJ20263 fis,   |           |                  | Y .                      |
|             |           | clone COLF7804, highly similar   |           |                  | 2.0                      |
| · •         | 1         | to AJ131693 Homo sapiens   | * *       | · .              |                          |
| 1 .         | ¥(-       | mRNA for AKAP450 protein.  |           |                  |                          |
| * *         |           | /FEA=mRNA  | * **      | *                | · .                      |
|             |           | /DB_XREF=gi:7020239  |           |                  |                          |
|             | 1         | /UG=Hs.164036 Homo sapiens   |           |                  |                          |
| . *         |           | AKAP350C mRNA sequence,  |           |                  |                          |
|             |           | alternatively spliced  |           |                  |                          |
| 215525_at   | 0.046749  |  | AL050185  | 1                |                          |
|             |           | gb:AL050185.1 /DEF=Homo  | 1.2000.00 | 1                | *                        |
|             |           | sapiens mRNA; cDNA   | :         |                  | - 10                     |
|             |           | DKFZp586A0423 (from clone  |           |                  |                          |
| *           |           |  | ,         |                  |                          |
|             |           | DKFZp586A0423). /FEA=mRNA  |           | eY e             |                          |
|             | · ,       | /DB_XREF=gi:4884400  |           |                  |                          |
|             | ì ·       | /UG=Hs.225988 Homo sapiens   |           |                  |                          |
| •           |           | mRNA; cDNA DKFZp586A0423   |           |                  |                          |
|             |           | (from clone DKFZp586A0423)   | •         |                  |                          |
| 215577_at   | 0.046749  |  | AU146791  | Hs.287474        |                          |
| 215737_x_at | 0.018023  | Consensus includes gb:X90824.1   | X90824    |                  | NP_003358                |
|             |           | /DEF=H.sapiens mRNA for  | ÷         |                  |                          |
|             | ] . · . · | USF2a & USF2b, clone P9DH.   | 1         | l' ' ·           |                          |
|             |           | /FEA=mRNA /GEN=USF2  |           |                  |                          |
|             |           | /PROD=USF2a, USF2b protein   |           |                  |                          |
|             |           | /DB_XREF=gi:1279506  | **        |                  | 1.                       |
|             |           | /UG=Hs.93649 upstream  | a.        |                  | 1.                       |
|             |           | transcription factor 2, c-fos  |           |                  |                          |
|             |           | interacting  | 1:        |                  |                          |
|             | Į         | Interacting  |           |                  |                          |
| 215759 v at | 0.018023  | HTE24 like 7NE gang: Hama  | AC007204  |                  |                          |
| 210/06_X_at | 0.010023  | HTF34-like ZNF gene; Homo  | AC007204  | *                |                          |
|             |           | sapiens chromosome 19, BAC   |           |                  |                          |
| 1           |           | 273239 (CIT-B-320G13), complete  | [         | Į.               |                          |
|             |           | sequence.  | ļ         | 191              |                          |
| 215760_s_at | 0.040064  | Consensus includes   | AC005390  |                  |                          |
|             |           | gb:AC005390 /DEF=Homo  |           | , 7 <sub>5</sub> |                          |
|             |           | sapiens chromosome 19, cosmid  |           | ( · .            |                          |
|             |           | R31180 /FEA=CDS_1  |           | I * '            |                          |
|             |           |  | 4         | I                | 1                        |
|             |           | /DB XREF=qi:3399675  |           |                  |                          |
| 8 2         |           | /DB_XREF=gi:3399675<br>/UG=Hs.251410 Homo sapiens  |           | i<br>i           | · ·                      |
|             | - E       | /DB_XREF=gi:3399675<br>/UG=Hs.251410 Homo sapiens<br>chromosome 19, cosmid R31180  |           | :                | ż                        |

|               |                                       | ng to Figure 19 - Coronary Artery |           |            | 1               |
|---------------|---------------------------------------|-----------------------------------|-----------|------------|-----------------|
| G ne          | p-value                               | Description                       | Gen       | Unigene    | Protein         |
| ldentifier    |                                       | •                                 | Accession | Acc ssion  | Accession       |
|               |                                       |                                   | No.       | No.        | No.             |
| 215806_x_at   | 0.046749                              | Consensus includes gb:M13231.1    | M13231    |            |                 |
|               |                                       | /DEF=Human T-cell receptor        |           |            |                 |
|               |                                       | aberrantly rearranged gamma-      |           |            |                 |
|               |                                       | chain mRNA from cell line HPB-    | · ·       |            |                 |
|               |                                       | MLT. /FEA=mRNA                    |           | ( · '      |                 |
|               | ·                                     | /DB_XREF=gi:339168                | '         |            |                 |
|               |                                       | /UG=Hs.274509 T cell receptor     |           | 1          | [               |
|               |                                       | gamma constant 2                  |           |            |                 |
|               |                                       | ganina constant 2                 |           |            |                 |
| 045000        | 0.010000                              |                                   | 11457440  | <u> </u>   | · · · · · · · · |
| 215909_x_at   | 0.018023                              | Consensus includes                | AL157418  |            |                 |
| •             |                                       | gb:AL157418.1 /DEF=Homo           |           |            | i               |
|               |                                       | sapiens mRNA; cDNA                |           |            | Ţ               |
| •             |                                       | DKFZp761K18121 (from clone        |           | 1          | - ÷-            |
|               |                                       | DKFZp761K18121). /FEA=mRNA        |           |            |                 |
|               |                                       | /DB_XREF=gi:7018439               | Δ.        |            | 0.              |
|               | 0                                     | /UG=Hs.112028 MisshapenNIK-       |           |            |                 |
|               |                                       | related kinase                    |           | * 1        | ŀ.              |
|               |                                       | related Kinase                    | ·         |            |                 |
| 215066 v at   | 0.040425                              | glycerol kinase                   | AA292874  | Hs.1466    | NP 000158       |
|               |                                       |                                   |           | ITIS. 1400 |                 |
| 216033_s_at   | 0.018023                              | Consensus includes gb:S74774.1    | \$74774   |            | NP_694593       |
|               |                                       | /DEF=p59fyn(T)=OKT3-induced       |           |            |                 |
|               |                                       | calcium influx regulator human,   | 8         |            |                 |
| . *           | -                                     | Jurkat J6 T cell line, mRNA       | ,         |            |                 |
| * .           |                                       | Partial, 1605 nt. /FEA=CDS        |           | * *        |                 |
| -             |                                       | /PROD=tyrosine kinase p59fyn(T)   |           | i i        |                 |
|               |                                       | /DB_XREF=gi:802050                |           |            |                 |
| *             |                                       | /UG=Hs.169370 FYN oncogene        |           |            | ł               |
|               | 1                                     | related to SRC, FGR, YES          |           | 1          |                 |
|               |                                       | 10.00.00                          |           |            |                 |
| 216159_s_at   | 0.025284                              | Consensus includes                | AK023757  | 1          |                 |
| 2 10 100_5_aL | 0.020204                              | gb:AK023757.1 /DEF=Homo           | MN023737  |            |                 |
|               |                                       | 10                                | -         |            |                 |
| *             |                                       | sapiens cDNA FLJ13695 fis,        | <i>p</i>  |            |                 |
|               |                                       | clone PLACE2000124.               |           |            |                 |
| •             |                                       | /FEA=mRNA                         | ,         |            |                 |
|               |                                       | /DB_XREF=gi:10435786              |           | 1          |                 |
|               | :                                     | /UG=Hs.306658 Homo sapiens        |           | *          |                 |
| -             |                                       | cDNA FLJ13695 fis, clone          |           | !          |                 |
|               | , , , , , , , , , , , , , , , , , , , | PLACE2000124                      | P         |            |                 |
| 216170 at     | 0.021165                              | Consensus includes                | AK025271  |            |                 |
| <del></del>   |                                       | gb:AK025271.1 /DEF=Homo           | ,         |            |                 |
|               |                                       | sapiens cDNA: FLJ21618 fis,       | *         |            |                 |
|               | · ·                                   | clone COL07487. /FEA=mRNA         |           |            |                 |
| -             |                                       |                                   |           |            |                 |
| •             |                                       | /DB_XREF=gi:10437753              |           |            |                 |
|               |                                       | /UG=Hs.306790 Homo sapiens        |           |            |                 |
| •             |                                       | cDNA: FLJ21618 fis, clone         | 0         |            | l               |
| ,             | 1                                     | COL07487                          | 1         | 1          | 1               |

| Gene List Co      |          | ng to Figure 19 - Coronary Artery                 | Disease           |                      | 0                                       |
|-------------------|----------|---|-------------------|----------------------|---|
| Gen<br>Identifier | p-value  | Description                                       | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession                    |
| laentiiiei        |          |   | No                | No.                  | No.                                     |
| 216173_at         | 0.041795 | Consensus includes                                | AK025360          | 110.                 | 110.                                    |
|                   |          | gb:AK025360.1 /DEF=Homo                           |                   |                      | Ĭ                                       |
| ;                 |          | sapiens cDNA: FLJ21707 fis,                       | · .               |                      |   |
|                   |          | clone COL09953. /FEA=mRNA                         |                   |                      |   |
|                   |          | /DB_XREF=gi:10437861                              |                   |                      | · · •                                   |
|                   |          | /UG=Hs.306806 Homo sapiens                        | * *               |                      | ·                                       |
|                   | . '      | cDNA: FLJ21707 fis, clone                         | <u> </u>          | 1                    | ì                                       |
| 040044            | 0.040000 | COL09953  | 41.040000         |                      | ļ                                       |
| 216211_at         | 0.018693 | Consensus includes                                | AL049233          |                      |   |
| ·                 | ļ . I    | gb:AL049233.1 /DEF=Homo                           |                   |                      |   |
|                   |          | sapiens mRNA; cDNA                                |                   |                      |   |
| د.                |          | DKFZp564A023 (from clone DKFZp564A023). /FEA=mRNA | · () · 0          | : : :                | <b>\</b> .                              |
| · ·               |          | /DB_XREF=gi:4499967                               | *                 |                      |   |
|                   |          | /UG=Hs.42244 Homo sapiens                         | - 10              |                      | 13.                                     |
|                   |          | mRNA; cDNA DKFZp564A023                           | Į                 | [ · · · · ·          | * |
| •                 |          | (from clone DKFZp564A023)                         |                   |                      |   |
| 216231 s at       | 0.034721 | beta-21-microglobulin                             | AW188940          | Hs.75415             | NP 004039                               |
| 216318_at         |          | Consensus includes gb:S55735.1                    | S55735            |                      |   |
|                   | * 1      | /DEF=Homo sapiens                                 |                   |                      | *                                       |
| 00                |          | immunoglobulin A1-A2 lambda                       |                   |                      |   |
|                   | -        | hybrid GAU heavy chain mRNA,                      | 8. g              | 1                    |   |
|                   |          | partial cds. /FEA=mRNA                            |                   |                      |   |
| *5.               |          | /PROD=immunoglobulin A1-A2                        | 4                 | 8                    | ,                                       |
| 0                 |          | lambda hybrid GAU heavychain /DB_XREF=gi:265703   |                   | · ·                  |   |
|                   | ]        | /UG=Hs.293441 VPS28 protein                       | * *               |                      |   |
|                   |          | 700-118.295441 VI 320 protein                     |                   | ·                    |   |
| 216384 x at       | 0.018023 | Homo sapiens prothymosin alpha                    | AF257099          |                      | <del>-</del>                            |
|                   | ,        | (PTMA) gene, complete cds.                        |                   | ,a *.                | <u> </u>                                |
| 216396_s_at       | 0.046749 | Consensus includes                                | AF131850          | 100                  | NP_004870                               |
|                   |          | gb:AF131850.1 /DEF=Homo                           |                   |                      | ,                                       |
|                   | 141      | sapiens clone 24988 mRNA                          | } ·               |                      |   |
|                   | *        | sequence. /FEA=mRNA                               | ľ                 |                      |   |
| 4                 |          | /DB_XREF=gi:4406694                               |                   |                      | ]                                       |
|                   |          | /UG=Hs.286027 etoposide-                          |                   |                      | (                                       |
| 216444 at         | 0.042057 | induced mRNA<br>Consensus includes                | AK024138          | <del> </del>         |   |
| 2 10444_at        | 0.042057 | gb:AK024138.1 /DEF=Homo                           | ANU24130          | ,                    | }                                       |
|                   | * (      | sapiens cDNA FLJ14076 fis,                        |                   |                      |   |
|                   |          | clone HEMBB1001925.                               |                   | - 1                  |   |
|                   |          | /FEA=mRNA   |                   |                      |   |
|                   |          | /DB XREF=gi:10436445                              |                   | 100                  |   |
|                   |          | /UG=Hs.306667 Homo sapiens                        |                   | ,                    |   |
|                   |          | cDNA FLJ14076 fis, clone                          |                   | -                    |   |
|                   |          | HEMBB1001925                                      |                   | 1                    |   |

|             |            | ng to Figure 19 - Coronary Artery   | Diseas      |           |              |
|-------------|------------|-------------------------------------|-------------|-----------|--------------|
| Gene        | p-value    | Description                         | Gene        | Unigene   | Protein      |
| Identifier  | l          |                                     | Accession • | Accession | Accession    |
|             |            |                                     | No.         | No.       | No.          |
| 216526 x at | 0.034721   | Consensus includes                  | AK024836    | 1.3.0.    | NP_002108    |
|             |            | gb:AK024836.1 /DEF=Homo             |             | 1         |              |
|             | Ì          | sapiens cDNA: FLJ21183 fis,         | · ·         | 1         |              |
|             | . *(       | clone CAS11634, highly similar      | i<br>I      |           | •            |
| •           | *          | to HSHLACW07 Homo sapiens           | *           | <b>.</b>  | ļ            |
|             | •          | mRNA for human leukocyte            | <b> </b>    | 1         | ļ            |
|             | i          | •                                   | 1           | 1         |              |
| ; ·         |            | antigen C alpha chain.              |             | {         | ļ            |
| ••          |            | /FEA=mRNA                           |             |           | }            |
| ,           |            | /DB_XREF=gi:10437242                | *           |           | Į.           |
|             | ļ          | /UG=Hs.277477 major                 |             |           | ĺ            |
|             | į          | histocompatibility complex, class   |             |           | 1            |
| <u> </u>    |            | I, C                                | 1           | <u></u>   | <u> </u>     |
| 216591_s_at | 0.049425   | integral membrane protein subunit   | AF080579    |           |              |
|             | *          | of complex II; no evidence for      |             | 4         | · ·          |
|             | ì          | translation; putative pseudogene;   |             |           |              |
|             | }          | Homo sapiens integral membrane      |             |           | ·            |
|             | }          | protein subunit of complex II (CII- | -           |           |              |
|             | <b>'</b>   | 3) pseudogene, complete             | *           |           | ł            |
|             | -          | sequence.                           |             |           | ļ .          |
|             | Į          | ocquonoc.                           |             |           | ļ            |
| 216730_at   | 0.048741   | Consensus includes                  | AK024561    | <u> </u>  | <del> </del> |
| 210700_at   | 0.040747   | gb:AK024561.1 /DEF=Homo             | 1711024301  |           |              |
|             |            | sapiens cDNA: FLJ20908 fis,         | 1           |           | Į.           |
|             |            | I Z                                 |             |           |              |
|             | 100        | clone ADSE00417. /FEA=mRNA          |             |           |              |
|             | ]          | /DB_XREF=gi:10436870                | ·           |           | 1            |
|             | 1          | /UG=Hs.306689 Homo sapiens          |             |           | Ì            |
|             | 1          | cDNA: FLJ20908 fis, clone           |             |           |              |
| •           | }          | ADSE00417                           |             |           | Ì            |
|             |            | <u> </u>                            | <u> </u>    |           |              |
| 216748_at   | 0.019292   | Consensus includes                  | AK024890    | -         |              |
|             |            | gb:AK024890.1 /DEF=Homo             |             | <u> </u>  | ļ            |
|             | <u> </u>   | sapiens cDNA: FLJ21237 fis,         |             | ı         | ļ            |
| •           | ţ          | clone COL01114. /FEA=mRNA           | 20          | p*        |              |
|             |            | /DB_XREF=gi:10437303                |             | ÷         |              |
|             | !          | /UG=Hs.306720 Homo sapiens          | 1           |           |              |
|             | 1          | cDNA: FLJ21237 fis, clone           |             |           |              |
|             | l          | COL01114                            | 1           |           | ]            |
| 216751 at   | 0.046740   | Consensus includes                  | AK024879    |           | <del> </del> |
|             | 0.0-707-73 | gb:AK024879.1 /DEF=Homo             | 111027019   |           | ]            |
|             | }          | 1 -                                 | 1 .         | }         | 1            |
|             |            | sapiens cDNA: FLJ21226 fis,         | 1           |           | 1            |
|             | <b>.</b>   | clone COL00721. /FEA=mRNA           | <b>1</b>    |           | }            |
|             |            | /DB_XREF=gi:10437291                |             |           |              |
| ,           |            | /UG=Hs.306715 Homo sapiens          |             |           |              |
|             |            | cDNA: FLJ21226 fis, clone           |             |           |              |
|             | 1          | COL00721                            |             |           | 1            |

| Gene List Co | rrespondir | ng to Figure 19 - Coronary Artery | Disease_  |           | 7         |
|--------------|------------|-----------------------------------|-----------|-----------|-----------|
| Gen          | p-value    | Description                       | Gene      | Unigene   | Protein   |
| Identifier   |            |                                   | Accession | Accession | Accession |
|              |            |                                   | No.       | No.       | No.       |
| 216983_s_at  | 0.033533   | Consensus includes                | BC002889  |           |           |
|              | · · · · ·  | gb:BC002889.1 /DEF=Homo           |           | l.        |           |
|              |            | sapiens, clone IMAGE:3941350,     |           |           |           |
|              |            | mRNA, partial cds. /FEA=mRNA      |           |           | ,         |
|              |            | /PROD=Unknown (protein for        |           |           | 1         |
|              | * .        | IMAGE:3941350)                    |           | 1         | · ·       |
| ,            |            | /DB_XREF=gi:12804072              |           | İ         | }· `      |
| ·            | . "        | /UG=Hs.122605 Homo sapiens        |           |           |           |
|              |            | cDNA: FLJ22124 fis, clone         |           | -30-      |           |
| 20 1         | •          | HEP19352                          |           |           |           |
|              |            |                                   | 0.5       |           | *         |
| 216996_s_at  | 0.018222   | Consensus includes                | AK021557  |           | NP_055744 |
|              | • : '      | gb:AK021557.1 /DEF=Homo           | *         |           |           |
|              | * * *      | sapiens cDNA FLJ11495 fis,        |           |           |           |
| )            | . (1)      | clone HEMBA1001950, highly        | -81 **    |           | -         |
|              | -          | similar to Homo sapiens mRNA      | -         | *         |           |
|              | *          | for KIAA0971 protein.             |           |           |           |
|              | ,          | /FEA=mRNA                         | ζ,        | ê         |           |
| * 1          |            | /DB_XREF=gi:10432760              |           | · .       | }         |
|              |            | /UG=Hs.84429 KIAA0971 protein     |           |           |           |
|              |            |                                   |           | ·         |           |
| 217143_s_at  | 0.018023   | Consensus includes gb:X06557.1    | X06557    |           | - A       |
|              |            | /DEF=Human mRNA for TCR-          |           | 8 4       |           |
| * 17         |            | delta chain. /FEA=mRNA            |           | . *       | - 、       |
| ) ;          |            | /DB_XREF=gi:37003                 |           |           | ]         |
| *            | 9.1        | /UG=Hs.2014 T cell receptor       |           |           | - X-      |
|              |            | delta locus                       | 1         | =         | *         |
| *            |            |                                   | <u> </u>  |           | 0         |
| 217152_at    | 0.025293   | Consensus includes                | AK024136  |           |           |
|              | - ,        | gb:AK024136.1 /DEF=Homo           |           | X         | ļ         |
| ļ            |            | sapiens cDNA FLJ14074 fis,        |           |           | :         |
|              |            | clone HEMBB1001869.               |           |           | 1         |
| *            | )<br>      | /FEA=mRNA                         |           |           | .*        |
|              |            | /DB_XREF=gi:10436442              |           |           | ]         |
| 1 1          |            | /UG=Hs.141208 Homo sapiens        |           | •         |           |
|              |            | cDNA FLJ14074 fis, clone          |           | *         |           |
|              |            | HEMBB1001869                      |           | 1         |           |
| 217164_at    | 0.034721   | Consensus includes                | AK024108  |           |           |
|              |            | gb:AK024108.1 /DEF=Homo           | 1         | 1         |           |
|              | [          | sapiens cDNA FLJ14046 fis,        |           |           |           |
| ļ            |            | clone HEMBA1006461.               |           |           |           |
|              |            | /FEA=mRNA                         |           | * .       | 1         |
|              |            | /DB_XREF=gi:10436406              |           |           |           |
| 1            |            | /UG=Hs.142677 Homo sapiens        | =         | ].        |           |
| 1            | )          | cDNA FLJ14046 fis, clone          |           |           | ,         |
|              | L          | HEMBA1006461                      |           | <u> </u>  |           |

|               |            | ng to Figure 19 - Coronary Artery       |           | <del>                                      </del>  | <del> </del> |
|---------------|------------|---|-----------|--|--------------|
| Gene          | p-valu     | Description                             | Gene      | Unigen   | Protein      |
| dentifier     |            |   | Accession | Accession  | Accession    |
| ,             |            |   | No.       | No.  | No.          |
| 217200 x at   | 0.025284   | Consensus includes gb:U06715.1          |           | 110.   | 110.         |
|               | 0.020204   | /DEF=Human cytochrome B561,             | 0007-10   |  |              |
|               | Į          |   | 1 .       |  | l            |
|               |            | HCYTO B561, mRNA, partial               | [         |  |              |
|               |            | cds. /FEA=mRNA /GEN=B561                |           | 9  |              |
|               |            | /PROD=HCYTO B561                        |           |  |              |
|               |            | /DB_XREF=gi:476590                      |           | . "  | Į.           |
|               | Į.         | /UG=Hs 153028 cytochrome b-             |           |  | ,            |
|               | ĺ          | 561                                     |           |  |              |
|               | ţ          |   | 3. 10     |  | 3            |
| 217202 s at   | 0.034721   | Homo sapiens glutamine                  | U08626    | <del></del>  |              |
|               | 0.00,721   | synthetase pseudogene, complete         | 000020    | •  | {            |
| . 11          |            |   |           |  | 1            |
| 047046        | 0.000000   | sequence.                               | 10000500  | <del>   </del> |              |
| 217216_x_at   | 0.028893   | Consensus includes                      | AC006530  | 1  |              |
| •             |            | gb:AC006530 /DEF=untitled               | *         | -  | ,            |
|               |            | /FEA=CDS_5                              | 1         |  |              |
| *             | '          | /DB_XREF=gi:4680764                     | }         |  |              |
|               |            | /UG=Hs.153820 hypothetical              | }         |  |              |
| *             | ì          | protein                                 |           |  |              |
| 217274 x at   | 0.040064   | Consensus includes gb:X52005.1          | X52005    |  |              |
| - 1721 1_7_00 | 0.0-1000-1 | /DEF=H.sapiens skeletal                 | 1,02000   |  |              |
|               |            |   |           |  | 45           |
|               | Í          | embryonic myosin light chain 1          |           | ,  |              |
|               | . *        | (MLC1) mRNA. /FEA=mRNA                  |           |  |              |
|               | ]          | /GEN=MCL1 /PROD=myosin light            |           | Ē  | 1            |
| •             | -          | chain 1 /DB_XREF=gi:34677               | 1         | ,  | 1            |
|               | 1          | /UG=Hs.159218 H.sapiens                 | 1         | 1 / .  | -).          |
|               |            | skeletal embryonic myosin light         |           | 9  | 1            |
|               |            | chain 1 (MLC1) mRNA                     | ,         | 1  |              |
|               |            | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |           |  |              |
| 217340_at     | 0.040064   | Consensus includes                      | AL024509  | <del>                                      </del>  |              |
| 211040_ut     | 0.040004   | gb:AL024509 /DEF=Human DNA              | 71024303  | ·  |              |
| :             |            |   | į         |  | 1            |
|               |            | sequence from clone 522P13 on           |           |  |              |
|               |            | chromosome 6p21.31-22.3.                |           |  | 1            |
|               |            | Contains a 60S Ribosomal                |           | 100  |              |
| 1             | Į          | Protein L21 pseudogene and an           | }         |  |              |
|               | { ,        | HNRNP A3 (Heterogenous                  |           |  | }            |
|               |            | Nuclear Riboprotein A3, FBRNP)          |           |  |              |
| (8)           |            | pseudogene. Contains ESTs,              | ł         |  |              |
| 4             |            | STSs and GSSs /FEA=CDS 1                | ŀ         |  |              |
|               |            | <u> </u>                                | -         |  | 0            |
|               | 1          | //DB_XREF=gi:3947836                    |           | - 00   | }            |
|               | i          | /UG=Hs.247780 Human DNA                 |           |  |              |
|               | }          | sequence from clone 522P13 on           |           |  | İ            |
|               | }          | chromosome 6p21.31-22.3.                | }         | 1  | }            |
| ·             |            | Contains a 60S Ribosomal                | }         | • 1  | 1            |
| ن د           | }          | Protein L21 pseudogene and an           | }         | 1  | 1.           |
|               | ·          | HNRNP A3 (Heterogenous                  | 1         |  | }            |
|               |            | Nuclear Riboprotein A3, FBRNP)          |           |  |              |
|               | •          | pseudogene. Contains ESTs,              | 1         |  | 1            |
|               |            |   | .0.       |  | 1            |
|               |            | STSs and GSSs                           | :         |  |              |
|               | 1          | 1                                       | <u> </u>  |  | 1            |
| <del></del>   |            | <del></del>                             | I         | <del></del>  | بنياب        |

| G ne                 |                | ng to Figure 19 - Coronary Artery  <br>Description | Gene        | Unigene    | Protein :  |
|----------------------|----------------|--|-------------|------------|------------|
|                      | p-value        | Describrion  |             |            |            |
| Identifier           |                |  | Accession   | Accession  | Accession  |
|                      | 7 5 75 25 2    |  | No.         | No.        | No.        |
| 217477_at            | 0.018693       | Consensus includes gb:U78581.1                     | JU78581     |            | NP_003549  |
|                      |                | /DEF=Human type I                                  |             |            |            |
|                      |                | phosphatidylinositol-4-phosphate                   |             |            |            |
|                      |                | 5-kinase beta (STM7) mRNA,                         |             |            |            |
| •                    |                | partial cds. /FEA=mRNA                             |             |            | · ·        |
| •                    |                | /GEN=STM7 /PROD=type I                             | · .         |            |            |
|                      | 1              | phosphatidylinositol-4-phosphate                   |             |            |            |
|                      |                | 5-kinasebeta                                       |             | . ~        |            |
|                      |                | /DB_XREF=gi:1743882                                | ,           |            |            |
|                      |                | /UG=Hs.78406                                       |             |            | .          |
|                      | .,             | phosphatidylinositol-4-phosphate                   | , ,         |            |            |
|                      | 1 .            | 5-kinase, type I, beta                             |             | · ·        | ,          |
| <b>\</b>             |                | 1. 4. 17   |             |            |            |
| 217497 at            | 0.046749       | ESTs, Weakly similar to                            | AW613387    | Hs.388345  | NP 001944  |
| 217 107_40           | 1 , 9 , 9 , 10 | hypothetical protein FLJ20378                      |             | , 10.0000  |            |
|                      | r.             | [Homo sapiens] [H.sapiens]                         |             | 131        | · .        |
| 217527_s_at          | 0.046749       | ESTs, Weakly similar to neuronal                   | AI478300    | Hs.351454  |            |
| 217527_3_at          | 0.040743       | thread protein [Homo sapiens]                      | 7.147.0000  | 113.001404 |            |
|                      | ٠,             | [H.sapiens]  | *           | 1          | 0.00       |
| 217549_at            | 0.025284       | ESTs, Weakly similar to                            | AW574933    | Hs.248844  | -          |
| 217549_at            | 0.023204       | hypothetical protein FLJ20489                      | AVV374933   | 113.240044 | ·          |
|                      |                | [Homo sapiens] [H.sapiens]                         |             |            | l .        |
| 017607 04            | 0.049022       |  | BE515346    | Hs.278871  | NP 689573  |
| 217627_at            |                | hypothetical protein FLJ30921                      | R71245      | Hs.174303  | INF_0093/3 |
| 217654_at            | 0.040064       | ESTs, Weakly similar to                            | K/ 1245     | П5.174303  |            |
|                      |                | hypothetical protein FLJ11267                      | *           |            | ·          |
| <br>                 | 0.004704       | [Homo sapiens] [H.sapiens]                         | NINE 040045 | *          | ND 057700  |
| 217722 <u>.</u> s_at | 0.034721       | gb:NM_016645.1 /DEF=Homo                           | NM_016645   |            | NP_057729  |
| · ·                  |                | sapiens mesenchymal stem cell                      |             | *          |            |
|                      |                | protein DSC92 (LOC51335),                          | * *         | *          | 1          |
|                      |                | mRNA. /FEA=mRNA                                    | •           | ,          |            |
|                      |                | /GEN=LOC51335                                      |             |            |            |
| -                    |                | /PROD=mesenchymal stem cell                        |             | ì          |            |
| •                    |                | protein DSC92                                      |             |            |            |
|                      |                | /DB_XREF=gi:7706195                                |             |            |            |
|                      |                | /UG=Hs.323467 mesenchymal                          |             | ,          |            |
| ٠.                   |                | stem cell protein DSC92                            |             |            |            |
|                      | ,              | /FL=gb:AB029315.1                                  | `[          |            | · ·        |
|                      |                | gb:AF242770.1 gb:NM_016645.1                       |             | ,          |            |

| G ne List Co | rrespondir | ng to Figure 19 - Coronary Artery  | Disease   |            |           |
|--------------|------------|------------------------------------|-----------|------------|-----------|
| Gen          | p-valu     | Description                        | Gene      | Unigene    | Protein   |
| Identifier   | ,          |                                    | Accession | Accession  | Accession |
|              |            |                                    | No.       | No.        | No.       |
| 217732_s at  | 0.034721   | gb:AF092128.1 /DEF=Homo            | AF092128  |            | NP_068839 |
|              |            | sapiens putative transmembrane     |           |            |           |
| ,            |            | protein E3-16 mRNA, complete       |           |            |           |
| ,            |            | cds. /FEA=mRNA                     | ÷         |            | -50-      |
| ×.           |            | /PROD=putative transmembrane       |           |            |           |
|              | 1          | protein E3-16                      |           |            | * *       |
|              |            | /DB_XREF=gi:5138905                | · ·       | <u>.</u>   | *         |
|              |            | /UG=Hs.239625 integral             | ·         | }-         |           |
| *            |            | membrane protein 2B                |           | }          | }         |
|              |            | /FL=gb:NM_021999.1                 |           | Ì          |           |
|              | •          | gb:AF136973.1 gb:BC000554.1        | }         | 1          |           |
|              |            |                                    |           |            | *         |
| *            |            | gb:AF092128.1 gb:AF152462.1        |           |            | <b>{</b>  |
| 047720 =+    | 0.040740   | gb:AF246221.1                      | DECERT    | 11- 000450 | ND 005=5= |
| 217738_at    | 0.046749   | pre-B-cell colony-enhancing factor | BF575514  | Hs.239138  | NP_005737 |
| 247744       | 0.004704   |                                    | 414/27222 |            |           |
| 217741 s_at  |            | zinc finger protein 216            | AW471220  | Hs.3776    | NP_005998 |
| 217752_s_at  | 0.046749   | gb:NM_018235.1 /DEF=Homo           | NM_018235 |            | NP_060705 |
|              |            | sapiens hypothetical protein       | *         |            |           |
|              | 3 "        | FLJ10830 (FLJ10830), mRNA.         |           | {          |           |
| ,            |            | /FEA=mRNA /GEN=FLJ10830            | ÷ .       |            |           |
|              |            | /PROD=hypothetical protein         |           |            |           |
|              |            | FLJ10830 /DB_XREF=gi:8922698       |           |            |           |
|              |            | /UG=Hs.273230 hypothetical         |           | J          |           |
|              |            | protein FLJ10830                   |           |            |           |
|              | Ŷ          | /FL=gb:BC001375.1                  | }         | [          |           |
| ,            |            | gb:BC003176.1 gb:NM_018235.1       |           |            |           |
|              |            | . *                                |           |            |           |
| -"           |            |                                    |           | ,          |           |
| 217774_s_at  | 0.034721   | gb:NM_016404.1 /DEF=Homo           | NM_016404 |            | NP_057488 |
|              | 3          | sapiens hypothetical protein       | · -       |            |           |
| *            |            | (HSPC152), mRNA. /FEA=mRNA         | t.,       | -          | -         |
|              |            | /GEN=HSPC152                       | ,         | *          |           |
|              | *          | /PROD=hypothetical protein         | ]         |            |           |
| )            | *          | /DB_XREF.=gi:7705476               | 1.        | 1          |           |
|              |            | /UG=Hs.79259 hypothetical          |           |            | 1         |
| 1            |            | protein /FL=gb:AF110774.1          |           |            |           |
|              |            | gb:AF161501.1 gb:NM_016404.1       |           |            |           |
|              |            | gb:AF229068.1                      | • ,,,     |            | -         |
| 217775_s_at  | 0.020576   | gb:NM 016026.1 /DEF=Homo           | NM_016026 |            | NP_057110 |
|              | 0.525070   | sapiens CGI-82 protein             | 0 13020   |            | -00/ / 10 |
| · ·          |            | (LOC51109), mRNA.                  | ]         |            | ]         |
| • =          | 1          | /FEA=mRNA /GEN=LOC51109            | ļ         |            | ] ]       |
|              |            | //PROD=CGI-82 protein              | }         | , ·        |           |
|              |            | /DB_XREF=gi:7705790                | } ·       | [          | .         |
|              | ·          |                                    | ł         | 1          |           |
| *            |            | /UG=Hs.179817 CGI-82 protein       |           |            | <b>!</b>  |
| *            |            | /FL=gb:BC000112.1                  | ł         | l          | ie i      |
|              |            | gb:AF151840.1 gb:NM_016026.1       | i         | (          | - ×       |
|              | L          | gb:AF167438.1                      | L         | <u> </u>   | L         |

|                    |            | ng to Figure 19 - Coronary Artery I |                  |              | <del> </del>            |
|--------------------|------------|-------------------------------------|------------------|--------------|-------------------------|
| Gene<br>Identifier | p-value    | Description                         | Gene             | Unigene      | Protein                 |
| identifier         |            |                                     | Accession        | Acc ssion    | Accession               |
| 217797_at          | 0.046740   | gb:NM_016406.1 /DEF=Homo            | No.<br>NM 016406 | No.          | <b>No.</b><br>NP_057490 |
| 21/19/_at          | 0.046749   |                                     | 11111_0 10406    | ,            | INP_05/490              |
| · .                |            | sapiens hypothetical protein        |                  |              | **                      |
| , x                |            | (HSPC155), mRNA /FEA=mRNA           |                  |              | ŀ                       |
|                    |            | /GEN=HSPC155                        | ·                | ł            | , .                     |
|                    |            | /PROD=hypothetical protein          |                  | 1            | *                       |
|                    |            | /DB_XREF=gi:7705480                 | *                | '            |                         |
|                    | 1          | /UG=Hs.177507 hypothetical          | ·                | İ            | *                       |
| , N                |            | protein /FL=gb:BC005187.1           | ,                |              | 1                       |
|                    | 0.9        | gb:AF151884.1 gb:AF161504.1         |                  |              | }                       |
|                    |            | gb:NM_016406.1                      |                  |              |                         |
| 217830_s_at        | 0.018023   | Consensus includes                  | AL109658         |              | 1                       |
|                    | C-1        | gb:AL109658 /DEF=Human DNA          |                  | *            | 1                       |
|                    |            | sequence from clone RP4-            |                  |              |                         |
|                    | 1          | 776F14 on chromosome 20p12.2        |                  | . 7          |                         |
|                    |            | 13. Contains the 5 end of the       | (                | 1            |                         |
| **                 |            | FKBP1A gene for FK506-binding       | 1                | 1            |                         |
|                    |            | protein 1A (12kD), the gene for     |                  |              |                         |
| *                  | )          | P47 protein, part of a novel        |                  |              | ļ                       |
|                    | ,          | member of the PTPNS (protein        |                  |              | Į.                      |
| *                  | 1          | tyrosine phosphatase, non-          |                  |              | ł                       |
|                    |            | recepto /FEA=mRNA                   |                  |              | ł                       |
|                    | *          | /DB_XREF=gi:7161806                 |                  | *            |                         |
|                    |            | /UG=Hs.12865 p47                    |                  |              | ,                       |
|                    |            | /FL=gb:BC002801.1                   | i ·              | • •          |                         |
|                    | ·          | gb:AF078856.1 gb:NM_016143.1        |                  | ÷ .          |                         |
|                    | ·          | gaaa                                | 2                |              |                         |
| 217832_at          | 0.034721   | Consensus includes                  | NM_006372        |              | NP 006363               |
| 211002_00          | 0.001721   | gb:BE672181 /FEA=EST                |                  |              | 1000000                 |
|                    |            | /DB_XREF=gi:10032712                |                  |              | }                       |
|                    |            | /DB XREF=est:7b51c08.x1             | ł                | 100          |                         |
| ()                 | 1          | /CLONE=IMAGE:3231758                | 8-               |              |                         |
| f a . 3            |            |                                     | 1                | · ·          | 1                       |
|                    |            | /UG=Hs.155489 NS1-associated        | 1                |              | 8.7                     |
|                    | [          | protein 1 /FL=gb:AF155568.1         | 000              | ĺ            |                         |
| 2470504            | 0.040000   | gb:NM_006372.1                      | NIM 04CC07       | <del> </del> | ND 000047               |
| 217858_s_at        | 0.018023   | gb:NM_016607.1 /DEF=Homo            | NM_016607        | * .          | NP_808817               |
| •                  | <b>\</b> . | sapiens ALEX3 protein (ALEX3),      | :                |              |                         |
|                    |            | mRNA. /FEA=mRNA                     | }                |              |                         |
|                    |            | /GEN=ALEX3 /PROD=ALEX3              |                  |              | <b>.</b>                |
|                    |            | protein /DB_XREF=gi:7705273         | ł                | 1            |                         |
| 1                  |            | /UG=Hs.172788 ALEX3 protein         |                  |              | -                       |
| {                  |            | /FL=gb:AB039669.1                   | 9)               | 1            |                         |
|                    | 1          | gb:NM_016607.1                      |                  | 1            |                         |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery I   | Disease                  |                             |                             |
|--------------------|------------|---|--------------------------|-----------------------------|-----------------------------|
| Gene<br>Identifier | p-value    | Description   | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 217888_s_at        | 0.036254   | gb:NM_018209.1 /DEF=Homo<br>sapiens hypothetical protein<br>FLJ10767 (FLJ10767), mRNA.<br>/FEA=mRNA /GEN=FLJ10767<br>/PROD=hypothetical protein | NM_018209                |                             | NP_783202                   |
|                    | ·          | FLJ10767 /DB_XREF=gi:8922651<br>/UG=Hs.25584 hypothetical<br>protein FLJ10767<br>/FL=gb:NM_018209.1   |                          |                             | 1                           |
| 217899_at          | 0.046749   | gb:NM_017727.1 /DEF=Homo<br>sapiens hypothetical protein<br>FLJ20254 (FLJ20254), mRNA.  | NM_017727                |                             | NP_060197                   |
|                    |            | /FEA=mRNA /GEN=FLJ20254<br>/PROD=hypothetical protein<br>FLJ20254 /DB_XREF=gi:8923227   | ÷                        |                             | ÷ ,                         |
|                    |            | /UG≈Hs.15356 hypothetical<br>protein FLJ20254<br>/FL=gb:BC002467.1<br>gb:NM_017727.1  | ' ' '                    | * *                         |                             |
| 217906_at          | 0.034721   | gb:NM_014315.1 /DEF=Homo sapiens host cell factor homolog (LCP), mRNA. /FEA=mRNA  | NM_014315                |                             | NP_055130                   |
| ÷                  | '.<br>D    | /GEN=LCP /PROD=host cell<br>factor homolog<br>/DB_XREF=gi:7657300   |                          | . *                         |                             |
|                    | -          | /UG=Hs.20597 host cell factor<br>homolog /FL=gb:BC002335.1<br>gb:AF113131.1 gb:NM_014315.1  |                          |                             | ,                           |
|                    |            | gb:AF244137.1   |                          |                             |                             |
| 217909_s_at        |            | transcription factor-like 4   | BF056105                 | Hs.78185                    | NP_733753                   |
| 217922_at          |            | mannosidase, alpha, class 1A, member 2  | H97940                   | Hs.367638                   |                             |
| 217928_s_at        | 0.025284   | gb:NM_018312.2 /DEF=Homo<br>sapiens chromosome 11 open<br>reading frame 23 (C110RF23),<br>mRNA. /FEA=mRNA                                       | NM_018312                |                             | NP_060782                   |
| *                  |            | /GEN=C11ORF23<br>/PROD=sporulation-induced<br>transcript 4-associatedprotein<br>/DB_XREF=gi:13489082  |                          | ,                           |                             |
| ;                  |            | /UG=Hs.180817 chromosome 11 open reading frame 23<br>/FL=gb:AF264779.1<br>gb:NM_018312.2  |                          |                             |                             |

| Gene        | p-value  | ng to Figure 19 - Coronary Artery I<br>Description | Gene         | Unigene   | Protein   |
|-------------|----------|--|--------------|-----------|-----------|
|             | p-vaiue  | Describition                                       |              |           |           |
| ld_ntifi_r  | 1        |  | Accession    | Accession | Accession |
| 0.17000     | 0.000047 | 1 NO 045074 4 (DEE 11                              | No.          | No.       | No.       |
| 217932_at   | 0.038017 | gb:NM_015971.1 /DEF=Homo                           | NM_015971    |           | NP_057055 |
|             |          | sapiens 30S ribosomal protein                      |              |           | 1         |
| * *         |          | S7 homolog (LOC51081),                             |              |           |           |
|             |          | mRNA. /FEA=mRNA                                    | 1            | ± E       |           |
|             |          | /GEN=LOC51081 /PROD=30S                            |              |           |           |
|             |          | ribosomal protein S7 homolog                       | *            |           |           |
|             |          | /DB_XREF=gi:7705737                                |              |           |           |
|             |          | /UG=Hs.71787 30S ribosomal                         | · · · ·      |           | - 1       |
| *           |          | protein S7 homolog                                 | •            | *         |           |
|             | 1        | /FL=gb:BC000241.1                                  |              | 2         |           |
|             |          | gb:AF077042.1 gb:NM_015971.1                       |              | 1.0       | 0.4       |
| 217937_s_at | 0.026842 | gb:NM_016596.2 /DEF=Homo                           | NM 016596    |           | NP 057680 |
|             |          | sapiens histone deacetylase 7A                     |              |           |           |
|             | - V      | (HDAC7), transcript variant 2,                     |              |           |           |
| r           |          | mRNA. /FEA=mRNA                                    |              |           |           |
|             |          | /GEN=HDAC7 /PROD=histone                           | *            |           |           |
| ٠.          |          |  |              |           |           |
| - · ·       |          | deacetylase 7A, isoform b                          |              | 8         |           |
|             |          | /DB_XREF=gi:13259523                               |              | ·         |           |
| -           | - 3      | /UG=Hs.275438 histone                              | :            | ļ.        |           |
|             |          | deacetylase 7A                                     |              |           |           |
|             | 1        | /FL=gb:NM_016596.2                                 |              |           |           |
|             | ,        | gb:AF239243.1                                      | *            |           |           |
| 217940_s_at | 0.018693 | gb:NM_018210.1 /DEF=Homo                           | NM_018210    |           | NP_06068  |
|             |          | sapiens hypothetical protein                       | ·            | ,         |           |
|             |          | FLJ10769 (FLJ10769), mRNA.                         |              |           |           |
|             |          | /FEA=mRNA /GEN=FLJ10769                            | *            |           | · ·       |
|             |          | /PROD=hypothetical protein                         | 0            | :         | *         |
| ,           |          | FLJ10769 /DB_XREF=gi:8922653                       | ·            | •         |           |
| ,           |          | /UG=Hs.8083 hypothetical protein                   |              | **        |           |
|             |          | FLJ10769 /FL=gb:AF151071.1                         | <i>"</i>     |           | 1.        |
|             |          | gb:NM 018210.1                                     |              |           |           |
|             |          | <b>3</b>   |              | *         |           |
|             | - 22     |  |              |           |           |
| 217945_at   | 0.046740 | gb:NM_025238.1 /DEF=Homo                           | NM_025238    | - / 17 /  | NP_07951  |
| 2170.40_at  | 0.040743 | sapiens BTB (POZ) domain                           | 11111_020200 | -         | -07001    |
|             |          | containing 1 (BTBD1), mRNA.                        |              | * 1       |           |
|             | 1        | /FEA=mRNA /GEN=BTBD1                               |              | -         |           |
|             | 1        |  |              |           | *         |
|             |          | /PROD=BTB (POZ) domain                             | ,            |           |           |
|             | *        | containing 1                                       |              | * *       |           |
|             |          | /DB_XREF=gi;13376847                               | · ·          | *         | · .       |
| •           | · .      | /UG=Hs.21332 BTB (POZ)                             |              | 8         | -         |
| · .         | 1 .      | domain containing 1                                |              | *         | 2.        |
| 0           |          | /FL=gb:AL136853.1                                  |              |           |           |
|             | *        | gb:AF257241.1 gb:NM_025238.1                       | 1 .          |           |           |
| •           | 1        | gb:AF355402.1                                      |              |           | I         |

| Gen List Co | rrespondir    | ng to Figure 19 - Coronary Artery | Disease      |             |              |
|-------------|---------------|-----------------------------------|--------------|-------------|--------------|
| Gene        | p-value       | Description                       | Gene         | Unigene     | Protein      |
| Identifier  |               |                                   | Accession    | Accession   | Accession    |
| ,           |               | •                                 | No.          | No.         | No.          |
| 217957_at   | 0.046749      | gb:NM_013242.1 /DEF=Homo          | NM_013242    | 110         | NP 037374    |
|             |               | sapiens similar to mouse Glt3     |              | 1           |              |
| •           |               | or D. malanogaster transcription  | *            | -           |              |
| ***         |               | factor IIB (AF093680), mRNA.      | 1            |             |              |
|             | γ             | I/FEA=mRNA /GEN=AF093680          |              |             |              |
|             |               |                                   | i .          |             |              |
|             |               | /PROD=similar to mouse Glt3 or    |              |             | 1            |
|             |               | D. malanogastertranscription      |              |             | 1            |
|             | ı             | factor IIB /DB_XREF=gi:8392874    | [            | 5-65        |              |
|             |               | /UG=Hs.279818 similar to mouse    |              |             | }            |
|             |               | Glt3 or D. malanogaster           | 1            | 1           | <u> </u>     |
|             |               | transcription factor IIB          |              |             | ļ            |
|             | 5.,           | /FL=gb:BC005152.1                 | 1            |             | *            |
|             | 40            | gb:AF093680.1 gb:NM_013242.1      |              |             | į ·          |
| *           | ,             | 1                                 |              |             |              |
|             |               |                                   |              |             |              |
| 217964 at   | 0.046749      | gb:NM_017775.1 /DEF=Homo          | NM 017775    | <del></del> | NP_060245    |
| _           |               | sapiens hypothetical protein      |              |             |              |
| •           | • · · · · · · | FLJ20343 (FLJ20343), mRNA.        | }            | }           |              |
|             | -             | /FEA=mRNA /GEN=FLJ20343           | 1            | t           | ł .          |
|             |               | /PROD=hypothetical protein        | · ·          | 1:          |              |
| • •         |               | FLJ20343 /DB_XREF=gi:8923319      |              | 1.7         |              |
|             |               | /UG=Hs.252692 hypothetical        |              |             |              |
|             | . 1           |                                   |              |             |              |
|             | X             | protein FLJ20343                  | •            | 1.          |              |
|             |               | /FL=gb;NM_017775.1                |              | i           | ł            |
| 217987_at   | 0.034721      | gb:NM_019048.1 /DEF=Homo          | NM_019048    |             | NP_061921    |
| 217007_4    | 0.004721      | sapiens hypothetical protein      | 14141_013040 | '           | 1141 _001921 |
|             | , ,           | (FLJ20752), mRNA. /FEA=mRNA       |              |             | ł            |
| 48 44       |               | /GEN=FLJ20752                     | Ì            | ľ           |              |
|             | •             | -                                 |              |             | }            |
|             |               | /PROD=hypothetical protein        | ł            |             |              |
|             | + .           | /DB_XREF=gi:9506696               | j            | 1           | <b>`</b>     |
|             |               | /UG=Hs 101364 hypothetical        |              | 1.          | {            |
|             | ,             | protein /FL=gb:BC001243.1         | <b>j</b>     | 1           |              |
|             | 2 2 3 2 2 2 2 | gb:NM_019048.1                    |              |             |              |
| 218005_at   |               | zinc finger protein 22 (KOX 15)   | AA744771     | Hs.108642   | NP_008894    |
| 218025_s_at | 0.034721      | gb:NM_006117.1 /DEF=Homo          | NM_006117    | - ' ' ' ' ' | NP_006108    |
|             | 1             | sapiens peroxisomal D3,D2-enoyl   |              |             | <b>{</b>     |
| •           |               | CoA isomerase (PECI), mRNA.       |              | ->-         | } ·          |
| •           |               | /FEA=mRNA /GEN=PECI               | :            |             |              |
|             |               | /PROD=peroxisomal D3,D2-enoyl-    | }            | 10          | }            |
|             |               | CoA isomerase                     | }            |             | ł            |
|             |               | /DB_XREF=gi:5174624               | 1            | 1           | <b>S</b>     |
| ·           |               | /UG=Hs.15250 peroxisomal          |              | 1           | } .          |
|             |               | D3,D2-enoyl-CoA isomerase         | j .          | 1           | 1            |
|             |               | /FL=gb:AL136642.1                 |              | }           | 1            |
|             |               | gb:BC002668.1 gb:AF069301.1       | 1            | 1           | -            |
| •           |               |                                   | (X)          | 1           | <b>{</b>     |
|             |               | gb:AF153612.1 gb:NM_006117.1      | 1            | Ì           | ł            |
|             |               | gb:AF244138.1                     |              | 1 -         |              |
|             | L             |                                   |              |             |              |

|                                       |            | ng to Figur 19 - Coronary Artery [ |   | 11           | D(-)          |
|---------------------------------------|------------|------------------------------------|---|--------------|---------------|
| Gene                                  | p-value    | Description                        | Gene                                    | Unigene      | Protein       |
| ldentifier                            | 7          |                                    | Accession                               | Accession    | Accession     |
|                                       |            |                                    | No.                                     | No.          | No.           |
| 218041 x at                           | 0.034721   | gb:NM_ 018573.1 /DEF=Homo          | NM_018573                               |              |               |
|                                       | T          | sapiens hypothetical protein       | · • · · · · · · · · · · · · · · · · · · |              |               |
|                                       |            | PRO1068 (PRO1068), mRNA.           |   |              |               |
| e "                                   | -          | /FEA=mRNA /GEN=PRO1068             |   |              | -             |
| . !                                   |            | /PROD=hypothetical protein         | • •                                     | i .          |               |
| 0                                     |            |                                    |   |              | [             |
|                                       |            | PRO1068 /DB_XREF=gi:8924006        |   |              | [             |
|                                       |            | /UG=Hs.321158 hypothetical         |   |              | [             |
| ,                                     |            | protein PRO1068                    |   | (            | · ·           |
| \$                                    | -          | /FL=gb:AF116620.1                  | •                                       |              |               |
|                                       |            | gb:NM_018573.1                     | _                                       |              |               |
| ·                                     |            |                                    |   |              |               |
| 218050_at                             | 0.046749   | gb:NM_016617.1 /DEF=Homo           | NM_016617                               |              | NP_057701     |
| 8.                                    |            | sapiens hypothetical protein (BM-  |   |              |               |
|                                       |            | 002), mRNA /FEA=mRNA               |   |              | *             |
|                                       |            | /GEN=BM-002                        | **                                      | 30           |               |
|                                       |            | /PROD=hypothetical protein         | •                                       |              |               |
| *                                     | ĺ          | /DB_XREF=gi:7705299                |   | * ;          |               |
|                                       |            | /UG=Hs.5862 hypothetical protein   | Ý                                       |              |               |
| e                                     |            | /FL=gb:BC005193.1                  | . 00                                    |              | [             |
|                                       |            |                                    | Ý                                       |              |               |
| 040050 = -4                           | 0.005004   | gb:AF208844.1 gb:NM_016617.1       | NIM COOKED                              | <del></del>  | NID OCE 442   |
| 218052_s_at                           | 0.025284   | gb:NM_020410.1 /DEF=Homo           | NM_020410                               |              | NP_065143     |
|                                       |            | sapiens CGI-152 protein            |   |              | 1             |
|                                       |            | (LOC57130), mRNA.                  | * *                                     |              |               |
| ,                                     | [          | /FEA=mRNA /GEN=LOC57130            |   |              |               |
|                                       |            | /PROD=CGI-152 protein              | 0                                       | · ·          |               |
|                                       |            | /DB_XREF=gi:9966896                |   | <u> </u>     | * .           |
| 3                                     | <i>,</i>   | /UG=Hs.9275 CGI-152 protein        |   | "            |               |
|                                       | *          | /FL=gb:AF288687.1                  | ·                                       |              |               |
| · · · · · · · · · · · · · · · · · · · | .*         | gb:NM_020410.1                     |   |              |               |
| 218076_s_at                           | 0.046749   | gb:NM_018054.1 /DEF=Homo           | NM 018054                               | <del> </del> | NP_060524     |
| 2.0070_5_4                            | 0.0 101 10 | sapiens homolog of rat nadrin      | 15                                      | {            | /··· _55592 · |
|                                       |            | (FLJ10308), mRNA. /FEA=mRNA        |   | -            |               |
|                                       | · ·        |                                    |   |              |               |
|                                       |            | /GEN=FLJ10308 /PROD=homolog        |   | . *          |               |
| `                                     |            | of rat nadrin                      | 9.                                      |              |               |
| 0):                                   |            | /DB_XREF=gi:8922343                |   | 1            |               |
|                                       |            | /UG=Hs.14169 homolog of rat        |   |              |               |
|                                       |            | nadrin /FL=gb:AF113218.1           |   |              |               |
|                                       |            | gb:NM_018054.1                     |   | *            |               |
| 218100_s_at                           | 0.036254   | gb:NM_018010.1 /DEF=Homo           | NM_018010                               | *.           | NP_060480     |
|                                       |            | sapiens hypothetical protein       |   | <b>.</b>     |               |
|                                       | -          | FLJ10147 (FLJ10147), mRNA.         |   |              | E .           |
|                                       | ]          | /FEA=mRNA /GEN=FLJ10147            | . `                                     |              |               |
| *                                     | }          | /PROD=hypothetical protein         |   |              |               |
|                                       |            | FLJ10147 /DB XREF=gi:8922255       |   |              |               |
|                                       | ]          | /UG=Hs.170318 hypothetical         |   | J            |               |
|                                       |            | protein FLJ10147                   |   |              |               |
|                                       |            |                                    | ·                                       |              |               |
|                                       |            | /FL=gb:AF139576.1                  |   |              |               |
|                                       |            | gb:AF245220.1 gb:NM_018010.1       |   |              |               |
|                                       |            |                                    | [                                       |              | I             |

|                    |          | ng to Figure 19 - Coronary Artery I                        | Disease           |   |                      |
|--------------------|----------|--|-------------------|---|----------------------|
| G ne<br>Identifier | p-value  | Description  | Gene<br>Accession | Unigene<br>Accession                      | Protein<br>Accession |
|                    |          |  | No.               | No.                                       | No.                  |
| 218103_at          | 0.046749 | gb:NM 017647.1 /DEF=Homo                                   | NM 017647         |   | NP_060117            |
|                    |          | sapiens hypothetical protein                               | · · · · · ·       | e a la la la la la la la la la la la la l |                      |
| • (                |          | FLJ20062 (FLJ20062), mRNA.                                 |                   |   | ]                    |
| * 10               | ,        | /FEA=mRNA /GEN=FLJ20062                                    |                   | , .                                       | <b> </b>             |
| . +                | ·        | /PROD=hypothetical protein                                 | 2                 |   | ļ                    |
|                    |          | FLJ20062 /DB_XREF=gi:8923066                               |                   |   |                      |
|                    | 8        | /UG=Hs.257486 hypothetical                                 | *                 |   |                      |
|                    |          | protein FLJ20062   |                   | • :                                       | ì                    |
|                    |          | /FL=gb:BC000131.1  |                   |   |                      |
|                    |          | gb:NM_017647.1   | •                 |   |                      |
|                    |          |  |                   |   |                      |
| 218114_at          | 0.048741 | gb:NM_013365.1 /DEF=Homo                                   | NM_013365         |   | NP_037497            |
|                    |          | sapiens ADP-ribosylation factor                            |                   |   |                      |
|                    |          | binding protein GGA1 (GGA1),                               | 111               | e e                                       |                      |
|                    |          | mRNA. /FEA=mRNA  |                   |   |                      |
| ·                  | . (      | /GEN=GGA1 /PROD=ADP-                                       | i                 | 12 ·                                      |                      |
|                    |          | ribosylation factor binding protein                        |                   |   |                      |
|                    | -        | GGA1 /DB_XREF=gi:9558728                                   |                   |   | 1                    |
| 2 %                |          | /UG=Hs.238296 ADP-ribosylation                             | · 1               |   |                      |
|                    |          | factor binding protein GGA1                                |                   | 1   |                      |
|                    |          | /FL=gb:AF190862.1  |                   |   | 1                    |
|                    |          | gb:AF233521.1 gb:AF218584.1                                | * * * .           | 1.1                                       |                      |
| ·                  |          | gb:NM_013365.1   |                   |   |                      |
|                    | •        |  |                   |   |                      |
| 218122 s at        | 0.026254 | gb:NM_021627.1 /DEF=Homo                                   | NIM 024627        |   | ND 007640            |
| 2 10 122_5_al      | 0.030234 |  | NM_021627         |   | NP_067640            |
| -                  |          | sapiens sentrin-specific protease (SENP2), mRNA. /FEA=mRNA |                   | 1   |                      |
|                    |          | /GEN=SENP2 /PROD≂sentrin-                                  |                   |   |                      |
|                    |          | specific protease  |                   | · .                                       |                      |
|                    | , ·      | /DB_XREF=gi:11055993                                       |                   |   |                      |
|                    | 7.       | /UG=Hs.3355 sentrin-specific                               |                   |   |                      |
| ·                  | 0        | protease /FL=gb:AF151697.2                                 |                   |   | · ·                  |
| *                  |          | gb:NM_021627.1   |                   |   |                      |
| 218123_at          | 0.018023 | gb:NM_017835.1 /DEF=Homo                                   | NM_017835         |   | NP 067077            |
| 210120_qt          | 0.010020 | sapiens chromosome 21 open                                 | 14101_0 17 000    | e :                                       | _007077              |
| :                  |          | reading frame 59 (C21ORF59),                               |                   |   |                      |
|                    |          | mRNA. /FEA=mRNA  |                   | 1   |                      |
| :                  |          | /GEN=C21ORF59  |                   | 1   | - 60                 |
|                    |          | /PROD=hypothetical protein                                 | · ·               |   |                      |
|                    |          | FLJ20467 /DB_XREF=gi:8923436                               | *                 | {   |                      |
| Ξ.                 |          | /UG=Hs.5811 chromosome 21                                  |                   |   |                      |
| T                  |          | open reading frame 59                                      |                   | <u>}</u>                                  | }                    |
| *                  | -        | /FL=gb:NM_021254.1   |                   | *   | }                    |
|                    |          | gb:BC000709.1 gb:NM_017835.1                               |                   |   | }                    |
| * e                | -        | gb:AF282851.1  |                   |   | *                    |
| *                  | l        | ] ·  | j i               | ļ   | j                    |

|             |          | ng to Figure 19 - Coronary Artery I |   |            |           |
|-------------|----------|-------------------------------------|---|------------|-----------|
| Gene        | p-value  | Description                         | Gene                                    | Unigen     | Protein   |
| ldentifier  | · ·      | 4.                                  | Accession                               | Accession  | Accession |
| ·           |          |                                     | No.                                     | No.        | No.       |
| 218135_at   | 0.046749 | gb:NM_016570.1 /DEF=Homo            | NM_016570                               |            | NP_057654 |
| <del></del> |          | sapiens CDA14 (LOC51290),           | -                                       |            | '         |
|             |          | mRNA. /FEA=mRNA                     |   |            | 1         |
|             |          | /GEN=LOC51290 /PROD=CDA14           |   |            | , ·       |
|             |          | /DB_XREF=gi:7706104                 |   |            |           |
|             |          | /UG=Hs.26813 CDA14                  |   |            | [         |
|             |          | /FL=gb:BC000887.1                   | * |            |           |
| •           |          | gb:AF216751.1 gb:NM_016570.1        |   |            | ļ         |
| •           |          | gb:AF183410.1                       |   |            |           |
|             |          | gb.At 100410.1                      |   |            |           |
| 249442+     | 0.024704 | ch.NIM 005607.2 (DEE-Home           | NIM OOFCOZ                              |            | ND 005006 |
| 218143_s_at | 0.034721 | gb:NM_005697.2 /DEF=Homo            | NM_005697                               |            | NP_005688 |
|             | **       | sapiens secretory carrier           | *                                       |            |           |
|             |          | membrane protein 2 (SCAMP2),        |   |            |           |
| **          | * .      | mRNA. /FEA=mRNA                     |   | . *        |           |
|             |          | /GEN=SCAMP2 /PROD=secretory         |   |            | ٠, ٠      |
|             |          | carrier membrane protein 2          | · ·                                     | ]          |           |
| •           | 70       | /DB_XREF=gi:5730030                 | 2                                       |            |           |
| *           |          | /UG=Hs.238030 secretory carrier     |   |            | e.        |
|             |          | membrane protein 2                  | 1.5                                     | 1          |           |
|             | <b>.</b> | /FL=gb:BC001376.1                   |   | ,          |           |
|             |          | gb:BC004385.1 gb:AF005038.2         | . "                                     |            |           |
|             |          | gb:NM_005697.2                      | [ ·                                     | •          |           |
|             | l        |                                     |   |            |           |
| 218152_at   | 0.034721 | gb:NM 018200.1 /DEF=Homo            | NM 018200                               |            | NP 060670 |
|             |          | sapiens high-mobility group 20A     |   | - (1)      |           |
|             |          | (HMG20A), mRNA /FEA=mRNA            | 1                                       | <u>'</u> . | *         |
|             | i .      | /GEN=HMG20A /PROD=high-             |   |            | 1         |
|             | ł        | mobility group 20A                  |   | ·          |           |
|             | ]        | //DB_XREF=gi:8922632                | ·                                       |            | 1         |
| ( )         |          |                                     |   | *          |           |
| :           | 1        | /UG=Hs.69594 high-mobility          | <u> </u>                                | l'A c      |           |
|             | 1        | group 20A /FL=gb:AF146222.1         |   | 1          |           |
|             | 1        | gb:NM_018200.1                      |   |            |           |
| 218164_at   | 0.021876 | gb:NM_022827.1 /DEF=Homo            | NM_022827                               |            | NP_073738 |
|             |          | sapiens hypothetical protein        |   |            |           |
|             |          | FLJ21347 (FLJ21347), mRNA.          |   | ł ·        | ţ         |
|             |          | /FEA=mRNA /GEN=FLJ21347             |   |            |           |
|             |          | /PROD≃hypothetical protein          | }                                       | J .        |           |
|             | 7 .      | FLJ21347                            | 1                                       |            |           |
|             |          | /DB_XREF=gi:12383067                |   | 120        | 1.50      |
|             |          | /UG=Hs.103147 hypothetical          |   |            |           |
|             | ]        | protein FLJ21347                    |   |            | ]         |
|             | -        | /FL=gb:NM_022827.1                  | 1                                       | 0)         |           |

|                |              | ng to Figure 19 - Coronary Artery I |              | I Indiana | Dante          |
|----------------|--------------|-------------------------------------|--------------|-----------|----------------|
| Gene           | p-value      | Description                         | Gene         | Unigene   | Protein        |
| dentifier      | 9            | ·                                   | Accession    | Accession | Accession      |
|                |              |                                     | No.          | No.       | No.            |
| 218167_at      | 0.034721     | gb:NM 016627.1 /DEF=Homo            | NM 016627    |           | NP 05771       |
| ::: <u>-</u> ; | .,           | sapiens hypothetical protein        |              |           |                |
|                |              | (LOC51321), mRNA.                   | ,            | ·         |                |
|                |              |                                     |              | İ         |                |
|                |              | /FEA=mRNA /GEN=LOC51321             | ·            | •         |                |
|                |              | /PROD=hypothetical protein          |              |           |                |
|                |              | /DB_XREF=gi:7706167                 |              | 1         | 1              |
|                | 1            | /UG=Hs.268122 hypothetical          |              | ,         |                |
| •              | *            | protein /FL=gb:AF208856.1           |              |           |                |
|                |              | gb:NM 016627.1                      |              |           |                |
| 218175_at      | 0.018693     | gb:NM_025140.1 /DEF=Homo            | NM_025140    |           | NP_07941       |
| 210175_at      | 0.010000     | sapiens hypothetical protein        | 1111,_020140 |           | [(" _s, s, r   |
|                |              |                                     | [            |           |                |
|                |              | FLJ22471 (FLJ22471), mRNA.          |              |           |                |
|                |              | /FEA=mRNA /GEN=FLJ22471             |              |           |                |
|                |              | /PROD=hypothetical protein          | *            |           |                |
|                |              | FLJ22471                            | 1            | *         |                |
|                |              | /DB_XREF=gi:13376724                | ł            | ł         | 8              |
| i -            |              | /UG=Hs.288909 hypothetical          |              | 1         |                |
|                | -            | protein FLJ22471                    | Í            | 1         |                |
|                | 1            | /FL=gb:NM_025140.1                  | j            |           |                |
| 249402         | 0.040000     |                                     | NM_016291    | 1         | ND 05727       |
| 218192_at      | 0.018023     | gb:NM_016291.1 /DEF=Homo            | NIVI_016291  |           | NP_05737       |
|                |              | sapiens mammalian inositol          | *            | .         |                |
| *              |              | hexakisphosphate kinase 2           |              |           | *              |
|                |              | (IP6K2), mRNA /FEA=mRNA             |              | •         | 1              |
|                | l            | /GEN=IP6K2 /PROD=mammalian          | 1            | .[        | 1              |
|                |              | inositol hexakisphosphate kinase    |              |           |                |
|                |              | 2 /DB_XREF=gi:7705552               | i '          | -[        | , .            |
|                | - 545        | /UG=Hs.323432 mammalian             |              | }         | 1              |
|                |              |                                     |              |           | *              |
|                |              | inositol hexakisphosphate kinase    | 1            | .00       | ļ              |
|                |              | 2 /FL=gb:AF177145.1                 |              |           | · <del>,</del> |
|                | <b>∤</b> . · | gb:NM_016291.1                      | ļ            |           | 1              |
| <u> </u>       |              |                                     |              |           |                |
| 218201_at -    | 0.046749     | gb:NM_004546.1 /DEF=Homo            | NM_004546    |           | NP_00453       |
| -              |              | sapiens NADH dehydrogenase          |              | ,         | _              |
|                |              | (ubiquinone) 1 beta subcomplex,     |              |           | ,              |
| •              |              | 2 (8kD, AGGG) (NDUFB2),             | )            |           |                |
|                | ·            | mRNA. /FEA=mRNA                     |              | -         |                |
|                |              |                                     |              |           |                |
| .*             |              | /GEN=NDUFB2 /PROD=NADH              |              |           | }              |
|                | 1            | dehydrogenase (ubiquinone) 1        |              |           | 1              |
| · .            |              | betasubcomplex, 2 (8kD, AGGG)       | 1            |           | *              |
|                |              | /DB_XREF=gi:4758777                 | {            | ~         | [              |
|                | 1            | /UG=Hs.198272 NADH                  | ļ            | 1         | 1              |
|                |              | dehydrogenase (ubiquinone) 1        | *            |           | 1.             |
|                | 1            | beta subcomplex, 2 (8kD,            | }            |           | 1              |
|                |              |                                     |              | 1         | 1              |
| •              |              | AGGG) /FL=gb:BC001168.1             |              |           | 1              |
|                |              | gb:AF050639.1 gb:NM_004546.1        |              |           | 1              |
|                |              | gb:AF067166.1                       | i            |           |                |

|               |          | ng to Figure 19 - Coronary Artery I |              | 11          | Dantain      |
|---------------|----------|-------------------------------------|--------------|-------------|--------------|
| Gene          | p-value  | Description                         | Gene         | Unigene     | Protein      |
| ld ntifier    |          |                                     | Accession    | Accession   | Accession    |
|               |          |                                     | No.          | No.         | No.          |
| 218209_s_at   | 0.018023 | gb:NM_018170.1 /DEF=Homo            | NM_018170    |             | NP_060640    |
|               |          | sapiens hypothetical protein        |              | • • • • • • |              |
| •             | ·        | FLJ10656 (FLJ10656), mRNA.          |              | 2 (         |              |
|               | ;        | /FEA=mRNA /GEN=FLJ10656             |              |             |              |
| •             | ]        |                                     |              | 1           |              |
|               |          | /PROD=hypothetical protein          |              |             | 100          |
| <b>"</b>      |          | FLJ10656 /DB_XREF=gi:8922574        | · · · · ·    | 1           |              |
| *             |          | /UG=Hs.300906 hypothetical          |              |             |              |
| •             | 1        | protein FLJ10656                    | · .          | }           | }            |
|               |          | /FL=gb:NM_018170.1                  | . 1          | 1.1         |              |
|               | 0        | 3-1,11,2                            |              | ł ·         |              |
| 218216 x at   | 0.036354 | gb:NM 016638.1 /DEF=Homo            | NM 016638    |             | NP_061164    |
| 2 102 10_x_at | 0.030204 |                                     | 14141_010000 |             | 141 _001 10- |
|               |          | sapiens SRp25 nuclear protein       | . /          |             | j            |
|               |          | (LOC51329), mRNA.                   |              |             |              |
|               |          | /FEA=mRNA /GEN=LOC51329             |              |             | ,            |
| •             | 4        | /PROD=SRp25 nuclear protein         | - '          |             | 9            |
| •             |          | /DB_XREF=gi:7706183                 |              | . 197       |              |
|               | \        | /UG=Hs.103561 SRp25 nuclear         | · .          | />          |              |
|               |          |                                     | , ,          |             |              |
|               |          | protein /FL=gb:BC001958.1           |              |             |              |
|               |          | gb:AB035384.1 gb:NM_016638.1        |              |             | <b>.</b>     |
|               | <u> </u> |                                     |              |             | ļ            |
| 218223_s_at   | 0.025284 | gb:NM_016274.1 /DEF=Homo            | NM_016274    |             | NP_057358    |
|               | ļ        | sapiens CK2 interacting protein     |              |             | ļ            |
|               |          | 1; HQ0024c protein (LOC51177),      |              |             |              |
| ,             | l l      | mRNA. /FEA=mRNA                     | }            |             | 1            |
|               | ļ· .     | /GEN=LOC51177 /PROD=CK2             |              | 0.0         |              |
|               | -        |                                     | ,            | i           |              |
|               |          | interacting protein 1; HQ0024c      | 1.00         |             |              |
|               |          | protein /DB_XREF=gi:7705918         | · · · ·      | 1.          | Í            |
|               |          | /UG=Hs 173380 CK2 interacting       | }            |             |              |
|               |          | protein 1; HQ0024c protein          | , ,          |             | 2            |
|               | <u>.</u> | /FL=gb:AF291105.1                   |              |             |              |
|               |          | gb:AF073836.1 gb:NM_016274.1        |              |             |              |
|               |          | gb:AF168676.1                       | 30           |             |              |
|               |          | 19b.AF 100070.1                     | ⊕ X          |             |              |
| 0/10001       | 0.004704 |                                     | 1111 000000  | 1           | 115 00000    |
| 218224_at     | 0.034721 | gb:NM_006029.2 /DEF=Homo            | NM_006029    | 1-          | NP_006020    |
|               |          | sapiens paraneoplastic antigen      |              |             |              |
|               |          | MA1 (PNMA1), mRNA:                  |              | 1           |              |
|               |          | /FEA=mRNA /GEN=PNMA1                | . , .        | **          |              |
| •             | 1        | /PROD=paraneoplastic antigen        | ,            | 1           | 1 .          |
| ٠٠.           |          |                                     |              | 1 .         | - 100        |
|               | 1        | MA1 /DB_XREF=gi:11141858            | 1            | ,           | 1            |
|               |          | /UG=Hs.194709 paraneoplastic        |              | 1           | 1            |
|               | 1        | antigen MA1 /FL=gb:AF037364.2       | 1 .          |             | 1            |
|               | 1        | gb:NM_006029.2                      |              |             |              |
|               |          | · ·                                 | 1            | 1           | 1            |

|             |                   | ng to Figure 19 - Coronary Artery     |              | 11.22.2   | D-14-1-   |
|-------------|-------------------|---------------------------------------|--------------|-----------|-----------|
| Gene        | p-value           | Description                           | Gene         | Unigene   | Protein   |
| Identifier  |                   |                                       | Accession    | Accession | Accession |
| 0.1000=     | 1 2 2 2 2 2 2 2 2 | · · · · · · · · · · · · · · · · · · · | No.          | No.       | No.       |
| 218237_s_at | 0.018023          | gb:NM_030674.1 /DEF=Homo              | NM_030674    |           | NP_109599 |
|             |                   | sapiens amino acid transporter        |              |           |           |
|             |                   | system A1 (ATA1), mRNA                |              |           | 4         |
|             | ·                 | /FEA≃mRNA /GEN=ATA1                   |              |           | 1         |
|             |                   | /PROD=amino acid transporter          |              | 1         |           |
| 1 8         |                   | system A1                             | <u>.</u>     |           |           |
|             | *                 | /DB_XREF=gi:13492978                  |              | 1         |           |
| • •         | )                 | /UG=Hs.18272 amino acid               |              |           |           |
|             | ļ · ·             | transporter system A1                 | 4.           |           | j         |
|             | ĺ                 | /FL=gb:AF271070.1                     |              |           | 7         |
|             |                   | gb:NM 030674.1                        |              |           | ŀ         |
| 219229 0+   | 0.025284          | <del>+</del>                          | NM_012341    |           | ND 026472 |
| 218238_at   | 0.025264          | 10 -                                  | 14141_012341 | 1 .       | NP_036473 |
| 9           |                   | sapiens GTP-binding protein           | 2            | , ,       |           |
| 1.00        | ] .               | (NGB), mRNA. /FEA=mRNA                |              |           |           |
|             | ] .               | /GEN=NGB /PROD=GTP-binding            | ,            | \ '       |           |
|             | ].                | protein /DB_XREF=gi:6912531           |              | , ,       | 1         |
| e W         |                   | /UG=Hs.215766, GTP-binding            | - 0          |           |           |
| 101         | j                 | protein /FL=gb:AF325353.1             | ļ            |           | }         |
|             |                   | gb:AF120334.1 gb:NM_012341.1          | *            |           |           |
|             | J                 |                                       |              | ,         | ,         |
| 218263_s at | 0.034721          | gb:NM_021211.1 /DEF=Homo              | NM_021211    |           | NP 067034 |
|             |                   | sapiens transposon-derived            | -            | ļ         | _         |
|             |                   | Buster1 transposase-like protein      |              |           |           |
|             |                   | (LOC58486), mRNA.                     |              | ļ         |           |
|             |                   | /FEA=mRNA /GEN=LOC58486               | ,            | }         |           |
|             | -33-              | /PROD=transposon-derived              | · ·          |           | 1         |
|             |                   | Buster1 transposase-likeprotein       |              |           |           |
|             | S                 |                                       |              |           | }         |
| ·           |                   | /DB_XREF=gi:10864022                  |              |           |           |
| Z+ ,        | ŀ                 | /UG=Hs.25726 transposon-              |              |           |           |
|             |                   | derived Buster1 transposase-like      | 1            |           |           |
| 7           | * .               | protein /FL=gb:NM_021211.1            |              | 1         |           |
|             |                   | gb:AF205600.1                         | - A          |           |           |
|             | ٠                 |                                       |              | L'        |           |
| 218285_s_at | 0.026842          | gb:NM_020139.1 /DEF=Homo              | NM_020139    |           | NP_064524 |
|             |                   | sapiens oxidoreductase UCPA           |              |           |           |
|             |                   | (LOC56898), mRNA.                     |              | s +       | 7.        |
|             |                   | /FEA=mRNA /GEN=LOC56898               |              |           |           |
|             |                   | /PROD=oxidoreductase UCPA             |              | *         |           |
| . ;         | ·                 | /DB_XREF=gi:10047131                  | <b>!</b>     |           |           |
|             |                   | /UG=Hs.124696 oxidoreductase          | 10           |           |           |
|             |                   |                                       |              | Į.        | Į         |
|             | 1.                | UCPA /FL=gb:NM_020139.1               |              | ,         |           |
|             | 1                 | gb:AF164790.1                         |              | <u>.</u>  | <u> </u>  |

| p-value  | II corintion   |  |   |   |
|----------|--|--|---|---|
| p-vajac  | D scription  | Gene   | Unig ne   | Protein   |
| •        | 4  |  |   | Accession   |
|          |  | No.  | No.   | No.   |
| 0.019292 | gb:NM_018584.1 /DEF=Homo   | NM_018584  |   | NP_061054   |
|          | sapiens hypothetical protein                                     |  |   |   |
|          |  | 3  |   | !   |
| •        |  | 2.0  | 1   |   |
|          |  |  | 1   | ł   |
|          | · ·  | , .  |   |   |
|          |  |  |   | [   |
|          |  |  |   | 1   |
|          | •  |  | 1   |   |
|          |  | * .  | }   | ł   |
|          | gb:NM_018584.1   |  |   | <u>'</u>  |
|          | ,  |  |   |   |
| 0.019292 | •  | NM_012406  | ,   | NP_036538   |
|          |  | . :  |   |   |
|          | (PRDM4), mRNA. /FEA=mRNA   |  | }   |   |
|          | /GEN=PRDM4 /PROD=PR  | 4,   |   |   |
| ٠.       | domain containing 4  | i i  |   | • .   |
|          |  |  |   |   |
| ٠        |  |  |   | <b>f</b> .  |
|          |  |  |   | '   |
|          |  |  |   |   |
|          | gb.11111_0 12400.2   |  |   | ì   |
| 0.034721 | ab NM 017782 1 /DEF=Homo   | NM 017782  |   | NP_060252   |
| 0.004727 | <del>-</del>   | 14141_077702   |   | 141-000202  |
|          |  | 0.0  | ,   |   |
| *        |  | ·  |   |   |
|          | 1  | - *  | }   | 1   |
|          |  |  |   |   |
|          |  |  |   | `   |
|          |  |  | . :   |   |
|          | L. Company   |  |   | '   |
|          | /FL=gb:BC001759.1  |  | ,   |   |
|          | gb:NM_017782.1   |  |   |   |
| **       |  |  |   |   |
| 0.018023 | gb:NM 022734.1 /DEF=Homo   | NM 022734  |   | NP 073571   |
|          |  | _  |   | -   |
|          |  | ł  |   |   |
| ٠.       |  |  |   |   |
|          |  | -  | Ì   | <u> </u>  |
| :        |  |  |   |   |
|          |  | ,  | 1   |   |
|          |  | ·  | ,   | -   |
|          | /UG=Hs.6311 hypothetical protein<br> FLJ20859 /FL=gb:NM 022734.1 |  |   |   |
|          |  |  |   |   |
|          | 0.019292   | domain containing 4 //DB_XREF=gi:9055315 //UG=Hs.21807 PR domain containing 4 /FL=gb:AF144757.2 gb:NM_012406.2  0.034721 gb:NM_017782.1 /DEF=Homo sapiens hypothetical protein FLJ20360 (FLJ20360), mRNA. //FEA=mRNA /GEN=FLJ20360 //PROD=hypothetical protein FLJ20360 /DB_XREF=gi:8923334 //UG=Hs.26434 hypothetical protein FLJ20360 //FL=gb:BC001759.1 gb:NM_017782.1  0.018023 gb:NM_022734.1 /DEF=Homo sapiens hypothetical protein FLJ20859 (FLJ20859), mRNA. //FEA=mRNA /GEN=FLJ20859 //PROD=hypothetical protein FLJ20859 //DB_XREF=gi:12232388 //UG=Hs.6311 hypothetical protein | 0.019292 gb:NM_018584.1 /DEF=Homo sapiens hypothetical protein PRO1489 (PRO1489), mRNA. /FEA=mRNA /GEN=PRO1489 /PROD=hypothetical protein PRO1489 /DB_XREF=gi:8924051 /UG=Hs.107767 hypothetical protein PRO1489 /FL=gb:AF116637.1 gb:NM_018584.1  0.019292 gb:NM_012406.2 /DEF=Homo sapiens PR domain containing 4 (PRDM4), mRNA. /FEA=mRNA /GEN=PRDM4 /PROD=PR domain containing 4 /DB_XREF=gi:9055315 /UG=Hs.21807 PR domain containing 4 /FL=gb:AF144757.2 gb:NM_012406.2  0.034721 gb:NM_017782.1 /DEF=Homo sapiens hypothetical protein FLJ20360 (FLJ20360), mRNA. /FEA=mRNA /GEN=FLJ20360 /PROD=hypothetical protein FLJ20360 /DB_XREF=gi:8923334 /UG=Hs.26434 hypothetical protein FLJ20360 /FL=gb:BC001759.1 gb:NM_017782.1  0.018023 gb:NM_022734.1 /DEF=Homo sapiens hypothetical protein FLJ20859 (FLJ20859), mRNA. /FEA=mRNA /GEN=FLJ20859 /PROD=hypothetical protein FLJ20859 /PROD=hypothetical protein FLJ20859 /PROD=hypothetical protein FLJ20859 /DB_XREF=gi:12232388 /UG=Hs.6311 hypothetical protein | No.   No. |

| Gene List Co | rrespondir | ng to Figure 19 - Coronary Artery I | Diseas       |           | - 1            |
|--------------|------------|-------------------------------------|--------------|-----------|----------------|
| G ne         |            | Description                         | Gene         | Unigene   | Protein        |
| ld ntifier   |            |                                     | Accession    | Accession | Accession      |
|              |            | *                                   | No.          | No.       | No.            |
| 218422 s at  | 0.034721   | gb:NM 022118.1 /DEF=Homo            | NM 022118    | 110.      | NP 071401      |
|              | 0.00       | sapiens cutaneous T-cell            | 022          |           |                |
| -<br>-       |            | lymphoma tumor antigen se70-2       | ,            |           |                |
| *            |            | (SE70-2), mRNA. /FEA=mRNA           |              |           |                |
|              |            | /GEN=SE70-2 /PROD=cutaneous         |              | ٠,        | u .            |
| •.           | * *        | T-cell lymphoma tumor antigen       | , .          | i ·       |                |
| a -          |            | se70-2 /DB XREF=gi:11545836         |              |           |                |
| •            |            | /UG=Hs.39140 cutaneous T-cell       |              | J         | ·              |
| •            |            |                                     |              |           | -              |
|              |            | lymphoma tumor antigen se70-2       |              | [ · · · . |                |
| ,            | , ,        | /FL=gb:AF273052.1                   |              | . 0       |                |
|              |            | gb:NM_022118.1 gb:BC000791.1        | 90           |           |                |
| *            |            |                                     | j. ·         | <b>,</b>  |                |
|              |            |                                     |              | -         |                |
| 218428_s_at  | 0.046749   |                                     | NM_016316    |           | NP_057400      |
|              |            | sapiens REV1 (yeast homolog)-       |              | - V       |                |
| 1            |            | like (REV1L), mRNA.                 |              |           | v°             |
|              |            | /FEA=mRNA /GEN=REV1L                |              |           | ٠.             |
|              | ,          | /PROD=REV1 (yeast homolog)-         |              | }         |                |
| . *          |            | like /DB_XREF=gi:7706680            |              |           |                |
|              |            | /UG=Hs.110347 REV1 (yeast           | 1            | . *       | 1              |
|              | i          | homolog)- like                      | 4.           |           |                |
|              |            | /FL=gb:AB047646.1                   |              |           | , . ·          |
|              | ·          | gb:AF151538.1 gb:AF206019.1         |              |           |                |
|              |            | gb:NM_016316.1                      | 1            |           |                |
| 218456_at    | 0.018023   | gb:NM_023925.1 /DEF=Homo            | NM_023925    |           | NP_115532      |
|              | Ì          | sapiens hypothetical protein        | _            | -         | ×              |
|              |            | FLJ22569 (FLJ22569), mRNA.          |              |           |                |
|              |            | /FEA=mRNA /GEN=FLJ22569             |              |           | *              |
| ļ            |            | /PROD=hypothetical protein          |              |           | 8              |
| • 1          | [          | FLJ22569                            | İ            |           |                |
|              |            | /DB_XREF=gi:12965192                | ,            |           | -              |
| . ,          |            | /UG=Hs.234355 hypothetical          |              | ;         | *              |
| ,            |            | protein FLJ22569                    | <i>*</i> .   | l         |                |
|              | 0          | /FL=gb:NM 023925.1                  |              |           |                |
| 218517_at    | 0:034721   |                                     | NM 024900    |           | NP_079176      |
| 12.10017_at  | 0.034721   | sapiens hypothetical protein        | 14141_024300 |           | 141 _0/3//0    |
|              |            | FLJ22479 (FLJ22479), mRNA.          | ·            |           | ,              |
|              |            | //FEA=mRNA /GEN=FLJ22479            | ľ            |           |                |
| }            | 1          | //PROD=hypothetical protein         | l .          | l í       | ]              |
| . * *        |            |                                     |              |           | 1              |
|              |            | FLJ22479                            | 1            | · **      | <b>)</b> , · ' |
| - 30 -       |            | /DB_XREF=gi:13376356                | =            |           |                |
| *            | 1          | /UG=Hs.238246 hypothetical          | 1            | -         | } -            |
|              |            | protein FLJ22479                    |              | 1         |                |
|              | 1          | /FL≃gb:NM_024900.1                  | 1            | L         | <u></u>        |

| Gene List C | rrespondir | ng to Figure 19 - Coronary Artery I | Diseas      |  | -1          |
|-------------|------------|-------------------------------------|-------------|--|-------------|
| Gene        | p-value    | Description                         | Gene        | Unigene  | Protein     |
| Identifier  |            |                                     | Accession   | Accession  | Accession   |
|             |            |                                     | No.         | No.  | No.         |
| 218518_at   | 0.034721   | gb:NM_016603.1 /DEF=Homo            | NM_016603   |  | NP_057687   |
|             |            | sapiens GAP-like protein            | · · · · · · |  |             |
|             |            | (LOC51306), mRNA.                   | •. ·        |  | ļ           |
|             |            | /FEA=mRNA /GEN=LOC51306             |             |  | **          |
| *           |            | /PROD=GAP-like protein              | 8           | 1  | i           |
|             |            | /DB_XREF=gi:7706136                 |             | ]  | }           |
|             | ,          | /UG=Hs.82035 potential nuclear      |             |  |             |
| • •         |            | protein C5ORF5; GAP-like            | 10          |  |             |
|             |            | protein /FL=gb:AF251038.1           | !           | 4.   | ·           |
|             |            | gb:AF157316.1 gb:NM_016603.1        |             |  | ( ·         |
| 218521_s_at | 0.046749   | gb:NM_018299.1 /DEF=Homo            | NM_018299   | †·· ·  | NP_060769   |
|             |            | sapiens hypothetical protein        | -: /        |  | <del></del> |
| (           |            | FLJ11011 (FLJ11011), mRNA.          |             |  |             |
|             |            | /FEA=mRNA /GEN=FLJ11011             |             |  | ]           |
| ĺ           |            | /PROD=hypothetical protein          | ·           | · ·  |             |
| 1           |            | FLJ11011 /DB_XREF=gi:8922821        |             | ,  |             |
|             |            | /UG=Hs.21275 hypothetical           |             |  | 1           |
|             |            | protein FLJ11011                    |             |  |             |
|             |            | /FL=gb:NM 018299.1                  |             |  |             |
|             |            |                                     |             | =  |             |
| 218526 s at | 0.026013   | gb:NM 014185.1 /DEF=Homo            | NM 014185   | <del>                                     </del> | NP 057576   |
| 7           |            | sapiens HSPC165 protein             |             |  |             |
|             |            | (HSPC165), mRNA. /FEA=mRNA          |             |  |             |
|             | Ì          | /GEN=HSPC165                        | 1           | 1  | (           |
|             | j          | /PROD=HSPC165 protein               |             |  | <b>(</b>    |
|             |            | /DB_XREF=gi:7661825                 | ,           |  |             |
| (i)         | 1          | /UG=Hs.13605 HSPC165 protein        | . *         |  | }           |
|             |            | /FL=gb:AF161514.1                   |             |  |             |
|             |            | gb:AF151070.1 gb:NM_014185.1        |             |  | i i         |
| *           |            | gb:NM_016492.1 gb:AF168714.1        | }           |  |             |
|             |            | gb:AF265206.1                       |             |  |             |
| 218530 at   | 0.019657   |                                     | NM_013241   |  | NP_037373   |
| 0000_00     | 3.0.,      | Isapiens FH1FH2 domain-             |             |  |             |
|             | ·          | containing protein (FHOS),          | -2:         |  |             |
|             |            | mRNA. /FEA=mRNA                     |             | ŀ  |             |
|             |            | /GEN=FHOS /PROD=FH1FH2              |             | 1  |             |
|             |            | domain-containing protein           | 100         |  | [           |
|             |            | /DB_XREF=gi:7019374                 |             |  | j.          |
|             |            | /UG=Hs.95231 FH1FH2 domain-         |             | ÷  |             |
|             |            | containing protein                  |             | 1  |             |
|             |            | /FL=gb:AF113615.1                   | (a)         |  | 100         |
|             |            | gb:NM_013241.1                      | ,           |  |             |
|             | 192        | 190.1401_010241.1                   |             |  | <u> </u>    |

|             |          | ng to Figure 19 - Coronary Artery I |             | <u> </u>     |            |
|-------------|----------|-------------------------------------|-------------|--------------|------------|
| Gene        | p-value  | Description                         | Gene        | Unigene      | Protein    |
| Identifier  |          |                                     | Accession   | Accession    | Accession  |
|             | ,        |                                     | No.         | No.          | No.        |
| 218533 s at | 0.045316 | gb:NM_017859.1 /DEF=Homo            | NM 017859   | × .          | NP 060329  |
|             |          | sapiens hypothetical protein        |             |              | <b>-</b>   |
|             |          | FLJ20517 (FLJ20517), mRNA.          | 1           |              |            |
| •           | <b>/</b> | /FEA=mRNA /GEN=FLJ20517             | i .         |              |            |
|             |          | /PROD=hypothetical protein          |             | ]            |            |
| . *         | 1        | FLJ20517 /DB_XREF=gi:8923486        | ĺ           | ľ            | ĺ          |
|             |          | <u> </u>                            |             |              |            |
|             | l        | /UG=Hs.39850 hypothetical           |             |              | [          |
| •           |          | protein FLJ20517                    |             |              |            |
|             |          | /FL=gb:NM_017859.1                  | 141         |              |            |
|             | -        |                                     |             | *            | <u> </u>   |
| 218536_at   | 0.034721 | Consensus includes                  | AF052167    |              | NP_065713  |
|             |          | gb:AF052167.1 /DEF=Homo             | *           |              |            |
|             |          | sapiens clone 24749 and 24750       |             |              | ·          |
|             | , 1      | mRNA sequences. /FEA=mRNA           |             |              | · ·        |
|             | 1        | /DB_XREF=gi:3360478                 | 8           |              | 1          |
|             |          | /UG=Hs.30057 transporter similar    |             |              |            |
|             |          | to yeast MRS2                       |             |              |            |
|             | ,        |                                     |             |              | :          |
|             |          | /FL=gb:NM_020662.1                  |             | -            | }          |
|             |          | gb:AF288288.1                       |             |              | Ϋ.         |
|             |          |                                     | 777         |              |            |
| 218543_s_at | 0.046749 | gb:NM_022750.1 /DEF=Homo            | NM_022750   |              | NP_073587  |
| •           | i        | sapiens hypothetical protein        | ì           | ì            |            |
|             | ١ .      | FLJ22693 (FLJ22693), mRNA.          |             |              |            |
|             |          | /FEA=mRNA /GEN=FLJ22693             |             | -            |            |
|             |          | /PROD=hypothetical protein          |             |              |            |
|             | ł        | FLJ22693                            |             |              |            |
| •           |          | /DB_XREF=gi:12232412                |             |              |            |
| :           |          | /UG=Hs.12646 hypothetical           | · ·         |              |            |
|             |          | protein FLJ22693                    |             |              |            |
|             |          | /FL=gb:AL136766.1                   | ,           | - 0          |            |
| *           |          | gb:NM_022750.1                      |             |              |            |
| 210552      | 0.027020 |                                     | NINA 00407C | <del> </del> | NID 070004 |
| 218553_s_at | 0.027239 | gb:NM_024076.1 /DEF=Homo            | NM_024076   |              | NP_076981  |
|             | 1        | sapiens hypothetical protein        | 9 0         |              | -          |
|             |          | MGC2628 (MGC2628), mRNA.            |             |              |            |
|             | l        | /FEA=mRNA /GEN=MGC2628              | l           | 1            |            |
|             |          | /PROD=hypothetical protein          |             |              |            |
|             |          | MGC2628                             | 1           | 1            |            |
|             |          | /DB_XREF=gi:13129063                |             |              |            |
| •           |          | /UG=Hs.171637 hypothetical          |             |              | 1          |
|             |          | protein MGC2628                     |             | :            |            |
|             | 1.       | /FL=gb:BC001185.1                   | ł           |              | ì          |
|             |          | , -                                 | · (¥)       |              |            |
|             |          | gb:NM_024076.1                      |             | L            | L          |

| Gene List C | rrespondir     | ng to Figure 19 - Coronary Artery I | Dis ase       |           |              |
|-------------|----------------|-------------------------------------|---------------|-----------|--------------|
| Gene        | p-value        | Description                         | Gene          | Unigene   | Protein      |
| Identifier  |                |                                     | Accession     | Accession | Accession    |
|             |                | ·                                   | No.           | No.       | No.          |
| 218555_at   | 0.027792       | gb:NM_013366.2 /DEF=Homo            | NM_013366     |           | NP 037498    |
|             | ر منظم المنظمة | sapiens anaphase-promoting          | - <del></del> |           |              |
| ~           |                | complex subunit 2 (APC2),           |               | ·         |              |
|             | - '            | mRNA. /FEA=mRNA                     |               |           | : -          |
|             |                | /GEN=APC2 /PROD=anaphase-           | 1)            | 9         | * * * *      |
| •           |                | :                                   |               |           |              |
|             |                | promoting complex 2                 |               | · .       |              |
|             |                | /DB_XREF=gi:7549800                 | η.            | :         |              |
| e e         |                | /UG=Hs.23076 anaphase-              | ٠. ه          | **        | • •          |
|             |                | promoting complex subunit 2         |               |           |              |
|             |                | /FL=gb:AF191337.1                   |               | 0s . •    | · ·          |
|             |                | gb:NM_013366.2                      |               |           |              |
| 218607_s_at | 0.034721       | gb:NM_018115.1 /DEF=Homo ,          | NM_018115     |           | NP_060585    |
| •           |                | sapiens hypothetical protein        |               |           |              |
|             |                | FLJ10498 (FLJ10498), mRNA.          |               | , E       |              |
|             | (              | /FEA=mRNA /GEN=FLJ10498             |               | i ,       |              |
|             |                | /PROD=hypothetical protein          |               |           |              |
| ,           | - 7            | FLJ10498 /DB_XREF=gi:8922466        |               | 1         |              |
|             |                | /UG=Hs.109045 hypothetical          |               |           |              |
| 1.          | { ·            |                                     |               |           |              |
| 4.5         | -              | protein FLJ10498                    |               |           | 4.2          |
|             | ,              | /FL=gb:NM_018115.1                  | · ·           |           |              |
| 040050      | 0.004704       |                                     | NIA 047700    |           | NID COCCO    |
| 218652_s_at | 0.034721       | gb:NM_017733.1 /DEF=Homo            | NM_017733     |           | NP_060203    |
|             |                | sapiens hypothetical protein        |               | ·         | ,            |
| ***         | ĺ              | FLJ20265 (FLJ20265), mRNA.          |               | *         | 1            |
|             |                | /FEA=mRNA /GEN=FLJ20265             |               |           | ٠.٠          |
|             | [.             | /PROD≑hypothetical protein          |               | [         | [            |
| ·           |                | FLJ20265 /DB_XREF=gi:8923239        |               |           |              |
|             | <b>[</b> .     | /UG=Hs.7099 hypothetical protein    |               |           | ĺ            |
|             |                | FLJ20265 /FL=gb:BC001249.1          |               |           |              |
|             | · ·            | gb:BC000937.2 gb:NM_017733.1        |               | <b>.</b>  | . *          |
|             |                |                                     |               | ·         | ļ            |
|             |                | · · ·                               | \ .           |           | 1            |
|             | ]              |                                     |               | y-        |              |
| 218666_s_at | 0.022752       | gb:NM_017919.1 /DEF=Homo            | NM_017919     | ·         | NP_060389    |
| a.          | ]              | sapiens hypothetical protein        |               |           | 1.11 _000009 |
|             |                | FLJ20651 (FLJ20651), mRNA           |               |           |              |
| ]           |                | /FEA=mRNA /GEN=FLJ20651             | 1             |           |              |
| *           | ļ ·            | •                                   |               |           |              |
|             | }              | /PROD=hypothetical protein          | 4.0           |           | ]            |
|             |                | FLJ20651 /DB_XREF=gi:8923603        |               |           | <u> </u>     |
|             |                | /UG=Hs.200332 hypothetical          |               |           | ]            |
|             | <u> </u>       | protein FLJ20651                    |               | *         |              |
| ,           |                | /FL=gb:NM_017919.1                  |               | · .       | ] .          |
|             |                |                                     |               |           |              |
|             |                |                                     | D 0 0 0 0 5 1 | 1         | 1. (2)       |
| 218699_at   | 0.034721       | RAB7, member RAS oncogene           | BG338251      | Hs.115325 | NP_003920    |

| Gene                                  | p-value  | Description                       | Gene          | Unigene     | Protein                 |
|---------------------------------------|----------|-----------------------------------|---------------|-------------|-------------------------|
| Identifier                            | p-value  | Description                       | Accession     | Accession   | Accession               |
| identițier                            | +        |                                   |               |             |                         |
| 240745 -4                             | 0.046740 | shiNM 049429 4 /DEE-Home          | No.           | No.         | <b>No.</b><br>NP 060898 |
| 218715_at                             | 0.046749 | gb:NM_018428.1 /DEF=Homo          | NM_018428     |             | INP_000896              |
|                                       |          | sapiens hepatocellular carcinoma- | ,             |             |                         |
|                                       |          | associated antigen 66 (HCA66),    |               | i .         | · ·                     |
|                                       |          | mRNA. /FEA=mRNA                   | *             |             |                         |
|                                       | -        | /GEN=HCA66                        |               |             | ļ                       |
| -)(-                                  |          | /PROD=hepatocellular carcinoma-   |               |             |                         |
|                                       |          | associated antigen 66             | -             |             | ·,                      |
|                                       |          | /DB_XREF=gi:8923721               | *             |             |                         |
| (f                                    | ,        | /UG=Hs.30670 hepatocellular       |               |             | ļ.                      |
|                                       |          | carcinoma-associated antigen 66   |               |             |                         |
|                                       |          | /FL=gb:AF244135.1                 |               |             | *                       |
|                                       |          | gb:AF116631.1 gb:NM_018428.1      | - a           |             |                         |
| 218729_at                             | 0.026013 | gb:NM_020169.1 /DEF=Homo          | NM_020169     |             | NP_064554               |
| 21072 <u>0</u> _at                    | 0.0200   | sapiens latexin protein (LXN),    | 11111_020100  |             |                         |
|                                       | ·        | mRNA. /FEA=mRNA /GEN=LXN          |               |             |                         |
|                                       |          | /PROD=latexin_protein             |               |             |                         |
| <u> </u>                              |          |                                   |               |             | ł                       |
| • •                                   | A        | //DB_XREF=gi:9910395              |               | 7           |                         |
|                                       |          | /UG=Hs.109276 latexin protein     |               |             |                         |
|                                       |          | /FL=gb:BC005346.1                 |               | *           |                         |
| · · · · · · · · · · · · · · · · · · · |          | gb:AF282626.1 gb:NM_020169.1      |               |             |                         |
|                                       |          | zinc finger protein               | AA349848      | Hs.388482   | NP_05529                |
| 218750_at                             | 0.025284 | gb:NM_024116.1 /DEF=Homo          | NM_024116     |             | NP_07702                |
|                                       |          | sapiens hypothetical protein      |               |             |                         |
|                                       |          | MGC5306 (MGC5306), mRNA.          |               |             |                         |
| 12                                    |          | /FEA=mRNA /GEN=MGC5306            |               |             |                         |
| • •                                   | ۱.       | /PROD=hypothetical protein        |               | /           | ·                       |
|                                       |          | MGC5306                           | -             |             |                         |
|                                       | 1        | /DB_XREF=gi:13129135              |               | <b>1</b> ,  |                         |
| *                                     |          | /UG≂Hs.301732 hypothetical        |               |             |                         |
|                                       |          | protein MGC5306                   |               |             |                         |
| _ ·                                   | -        | /FL=gb:AF275800.1                 |               | . ,         |                         |
|                                       | 7        | gb:NM 024116.1                    |               |             |                         |
| 218805_at                             | 0.046749 | gb:NM_018384.1 /DEF=Homo          | NM 018384     | <del></del> | NP_06085                |
| 210000_at                             | 0.040743 | sapiens hypothetical protein      | 111111_010004 |             | _00000                  |
|                                       |          | FLJ11296 (FLJ11296), mRNA.        | -<br>-        |             |                         |
|                                       |          |                                   |               |             |                         |
| · ·                                   |          | /FEA=mRNA /GEN=FLJ11296           | · ·           |             |                         |
|                                       |          | /PROD=hypothetical protein        | [             | 1           |                         |
|                                       | , ,      | FLJ11296 /DB_XREF=gi:8922984      | . 19.         | ] ,         | 1. 1.                   |
|                                       |          | /UG=Hs.26194 hypothetical         | -             |             |                         |
|                                       |          | protein FLJ11296                  |               |             | -                       |
|                                       | ,        | /FL=gb:NM_018384.1                | ·             |             |                         |
|                                       |          |                                   |               | 1           | 1                       |

|             |              | ng to Figure 19 - Coronary Artery I |                |           |           |
|-------------|--------------|-------------------------------------|----------------|-----------|-----------|
| Gene        | p-value      | Description                         | Gene           | Unigene   | Protein   |
| dentifier   | 3.0          | . ,                                 | Accession      | Accession | Accession |
| Ă,          |              |                                     | No.            | No.       | No.       |
| 218817_at   | 0.025284     | gb:NM 021928.1 /DEF=Homo            | NM 021928      | 110.      | NP_068747 |
| 210011_at   | 0.020204     | sapiens hypothetical protein        | 11111_02.1020  |           | 000,      |
|             |              |                                     |                |           | '         |
|             |              | FLJ22649 similar to signal          |                |           |           |
|             |              | peptidase SPC2223 (FLJ22649),       |                | -         |           |
|             |              | mRNA. /FEA=mRNA                     |                |           |           |
| 0           |              | /GEN=FLJ22649                       |                |           |           |
|             | τ.           | /PROD=hypothetical protein          | )              |           |           |
|             |              | FLJ22649 similar to                 | ,              |           |           |
|             |              | signalpeptidase SPC2223             |                |           |           |
|             |              | /DB_XREF=gi:11345461                |                |           |           |
|             |              | /UG=Hs.42194 hypothetical           | w <sub>i</sub> | *         |           |
|             |              | protein FLJ22649 similar to         |                |           | ,         |
|             | 1            |                                     | J .            | ·         |           |
|             | l.v.         | signal peptidase SPC2223            |                |           |           |
| 0.          |              | /FL=gb:NM_021928.1                  |                |           |           |
|             |              | gb:AL136660.1                       |                |           |           |
| 218819_at   | 0.018023     | gb:NM_012141.1 /DEF=Homo            | NM_012141      |           | NP_03627  |
|             |              | sapiens deleted in cancer 1;        |                | - 00      |           |
| •           | , ,          | RNA helicase HDBDICE1               | ,              | × .       |           |
| 1           | <b>1</b> , . | (DDX26), mRNA. /FEA=mRNA            | 0              |           |           |
|             | *            | /GEN=DDX26 /PROD=DEADH              | •              | *         |           |
| 4           |              | (Asp-Glu-Ala-AspHis) box            |                |           | İ         |
|             |              |                                     |                |           |           |
|             |              | polypeptide 26                      | *              |           |           |
|             |              | /DB_XREF=gi:11024693                |                |           |           |
| *           |              | /UG=Hs.58570 deleted in cancer      |                |           |           |
|             | 1            | 1; RNA helicase HDBDICE1            | -              |           | l .       |
|             | -0           | /FL=gb:NM_012141.1                  | * * * * * .    |           |           |
|             |              | gb:AF097645.1                       |                | * "       |           |
|             | · ·          |                                     |                |           |           |
| 218877_s_at | 0.018222     | gb:NM_021820.1 /DEF=Homo            | NM_021820      |           | NP 06859  |
|             | 0.010222     | sapiens MDS024 protein              |                | }         |           |
|             |              | (MDS024), mRNA. /FEA=mRNA           |                |           |           |
|             |              |                                     | . *            |           | 1         |
|             |              | /GEN=MDS024 /PROD=MDS024            |                | V.        |           |
|             |              | protein /DB_XREF=gi:11141892        |                |           |           |
|             |              | /UG=Hs.286122 MDS024 protein        |                | +         |           |
|             | 1            | /FL=gb:AF182423.1                   |                |           | ·         |
|             |              | gb:NM_021820.1                      |                |           |           |
| •           |              | _                                   |                |           |           |
| 218924 s_at | 0.034721     | gb:NM 004388.1 /DEF=Homo            | NM_004388      |           | NP_00437  |
| a.          | 5.55 = 1     | sapiens chitobiase, di-N-acetyl-    |                |           |           |
|             | *            | (CTBS), mRNA. /FEA=mRNA             |                |           |           |
|             |              |                                     |                |           | ,         |
| 4           |              | /GEN=CTBS /PROD=chitobiase,         |                |           |           |
|             | *            | di-N-acetyl-                        |                |           | *         |
|             |              | /DB_XREF=gi:4758091                 |                |           | 1         |
|             | .5.          | /UG=Hs.135578 chitobiase, di-N-     |                |           |           |
| •           | 1 8          | acetyl- /FL=gb:M95767.1             | 8              |           |           |
|             |              | gb:NM 004388.1                      | 1 .            | 1 .       | 1 .       |

| Gene           | p-value  | ng to Figure 19 - Coronary Artery I<br>Description | Gen          | Unigene   | Protein          |
|----------------|----------|--|--------------|-----------|------------------|
| Identifier     | p-value  | Bescription  | Acc ssion    | Accession | Accession        |
| identiniei     | ,        |  |              |           |                  |
| 040007 - 4     | 0.040000 |  | No.          | No.       | No.<br>NP 061111 |
| 218927_s_at    | 0.018222 | gb:NM_018641.1 /DEF=Homo                           | NM_018641    | <u>.</u>  | INP_061111       |
|                | ŀ        | sapiens chondroitin 4-O-                           |              |           |                  |
|                |          | sulfotransferase 2 (C4S-2),                        |              | • •       |                  |
|                |          | mRNA. /FEA=mRNA /GEN=C4S+                          |              |           |                  |
|                |          | 2 /PROD=chondroitin 4-O-                           | j            | · .       |                  |
|                |          | sulfotransferase 2                                 | * *          | 0.0       | • • •            |
| i              |          | /DB XREF=gi:8922111                                | 8 *          | •         |                  |
| •              |          | /UG=Hs.25204 chondroitin 4-O-                      | [            |           | ŀ                |
|                |          | sulfotransferase 2                                 |              |           |                  |
|                |          | /FL=gb:BC002918.1                                  |              |           |                  |
| •              | -        |  |              |           |                  |
| ٠.             |          | gb:NM_018641.1 gb:AF239822.1                       |              |           |                  |
| 7              | 0.040405 | 1, 1011, 045835 4 1055 14                          | 144 045545   |           | ND 775006        |
| 218963_s_at    | 0.049425 | gb:NM_015515.1 /DEF=Homo                           | NM_015515    |           | NP_775320        |
|                |          | sapiens DKFZP434G032 protein                       |              |           | ,                |
|                |          | (DKFZP434G032), mRNA.                              |              | • 0       |                  |
|                | ."       | /FEA=mRNA  | ]            |           |                  |
|                |          | /GEN=DKFZP434G032                                  |              | · 1       |                  |
|                |          | /PROD=DKFZP434G032 protein                         |              |           |                  |
|                | 1        | /DB_XREF=gi:7661573                                | ,            | , .       | *                |
| 3.             | ] '      | /UG=Hs.9029 DKFZP434G032                           | · ·          |           |                  |
|                |          | protein /FL=gb:AF102848.1                          |              |           | -                |
|                |          | gb:NM_015515.1                                     |              |           | * *              |
| 218982 s at    | 0.046749 | gb:NM 015969.1 /DEF=Homo                           | NM_015969    |           | NP 057053        |
| 210302_5_at    | 0.040/49 | sapiens hypothetical protein                       | 14141_013303 |           | 141-057050       |
|                |          |  | *            |           |                  |
|                |          | (HSPC011), mRNA. /FEA=mRNA                         | 3 3          |           | .*               |
|                |          | /GEN=HSPC011                                       | 1.4          |           |                  |
| i              | 1        | /PROD=hypothetical protein                         |              |           |                  |
|                | 1 '      | /DB_XREF=gi:7705424                                |              |           |                  |
|                |          | /UG=Hs.44298 hypothetical                          |              | . 1       | <b>∤</b>         |
| ,              |          | protein /FL=gb:AF077035.1                          |              | * .       | - 1-             |
|                |          | gb:NM 015969.1                                     |              |           |                  |
| 218986 s at    | 0.046749 | gb:NM_017631.1 /DEF=Homo                           | NM 017631    |           | NP 060101        |
| <del>-</del> - |          | sapiens hypothetical protein                       | -            |           |                  |
|                |          | FLJ20035 (FLJ20035), mRNA.                         |              |           | *                |
|                | 1 :      | //FEA=mRNA /GEN=FLJ20035                           | ļ            |           | 1                |
| . **           |          | /PROD=hypothetical protein                         |              |           | 8                |
|                | ,        |  |              |           |                  |
|                | 1.       | FLJ20035 /DB_XREF=gi:8923037                       |              | -         |                  |
|                |          | /UG=Hs.109309 hypothetical                         |              |           | 1                |
|                |          | protein FLJ20035                                   |              |           |                  |
| , .            | 1        | /FL=gb:NM_017631.1                                 |              |           | · ;              |
|                | 1        |  | 1            | 1 .       | 1                |

|             |          | ng to Figure 19 - Coronary Artery       |               | 111          | Bester        |
|-------------|----------|---|---------------|--------------|---------------|
| Gene        | p-value  | Description                             | Gene          | Unigene      | Protein       |
| ldentifi r  | <u> </u> | **                                      | Accession     | Accession    | Accession     |
|             | Ĺ        |   | No.           | No.          | No            |
| 219002_at   | 0.038017 | gb:NM_024622.1 /DEF=Homo                | NM_024622     |              | NP_078898     |
|             |          | sapiens hypothetical protein            |               |              | · 7           |
| •           |          | FLJ21901 (FLJ21901), mRNA.              |               |              | * .           |
| *           |          | /FEA=mRNA /GEN=FLJ21901                 | , ·           |              |               |
|             | =        | /PROD=hypothetical protein              |               |              |               |
|             |          | FLJ21901                                |               |              |               |
|             |          | /DB_XREF=gi:13375843                    | ÷ ,           |              |               |
|             |          | /UG=Hs.32646 hypothetical               | ***           |              |               |
|             |          | protein FLJ21901                        |               |              |               |
|             |          | /FL=gb:NM_024622.1                      |               |              |               |
| 219045 at   | 0.018222 |   | NM_019034     | <del> </del> | NP 061907     |
| 210040_at   | 0.010222 | sapiens hypothetical protein            | 14141_0 13034 | •            | 141-70 1907   |
| •           | }        | (RIF), mRNA. /FEA=mRNA                  |               |              | t.            |
|             |          | /GEN=RIF /PRÔD=hypothetical             |               |              |               |
|             | ł        | protein /DB_XREF=gi:9506666             |               |              |               |
| •           |          | /UG=Hs.96593 hypothetical               | 1             |              | or the second |
|             | = "      |   |               |              | 1             |
|             |          | protein /FL=gb:AF239923.1               |               | · .          |               |
| 040004 31   | 0.040740 | gb:NM_019034.1                          | NIN 00 4000   |              | 115 07001     |
| 219081_at   | 0.046749 | gb:NM_024668.1 /DEF=Homo                | NM_024668     |              | NP_078944     |
|             |          | sapiens hypothetical protein            |               |              | Ì             |
| •           | - 1      | FLJ20288 (FLJ20288), mRNA.              | 1.1           | ·            | -8-           |
|             |          | /FEA=mRNA /GEN=FLJ20288                 | :             |              |               |
| -           |          | /PROD=hypothetical protein              |               | -            |               |
| • •         |          | FLJ11979                                |               | ·            | ŀ             |
|             | :        | /DB_XREF=gi:13386461                    |               | j            |               |
|             | /.       | /UG=Hs.84045 hypothetical               |               | 9-1          |               |
| •           | ]        | protein FLJ20288                        |               | 6            |               |
|             |          | /FL=gb:BC004457.1                       |               |              |               |
| * -         |          | gb:NM_024668.1                          |               |              |               |
| 219117_s_at | 0.034721 | gb:NM_016594.1 /DEF=Homo                | NM_016594     |              | NP_057678     |
| •           | 1,       | sapiens FK506 binding protein           |               |              |               |
|             |          | precursor (LOC51303), mRNA.             | ,             |              |               |
| 8           |          | /FEA=mRNA /GEN=LOC51303                 | }· *          | •            | 1             |
|             | . '      | /PROD=FK506 binding protein             |               | -            | ••            |
|             |          | precursor /DB_XREF=gi:7706130           |               |              |               |
| ,           |          | /UG=Hs.24048 FK506 binding              |               |              |               |
| • •         | }        | protein precursor                       | {             |              |               |
|             |          | /FL=gb:AF238079.1                       |               |              |               |
|             | 4.7      | gb:NM_016594.1                          |               | 1            | 1 -           |
|             |          | 100 · · · · · · · · · · · · · · · · · · | •             |              |               |

|             | rrespondir | ng to Figure 19 - Coronary Artery | Diseas    |           |           |
|-------------|------------|-----------------------------------|-----------|-----------|-----------|
| Gene        | p-valu     | Description                       | Gene      | Unigene   | Protein   |
| ldentifier  |            |                                   | Accession | Accession | Accession |
|             |            | ,                                 | No.       | No.       | No.       |
| 219118_at   | 0.018023   | gb:NM 016594.1 /DEF=Homo          | NM 016594 | 110.      | NP 057678 |
|             | . 11731355 | sapiens FK506 binding protein     | )         |           |           |
|             |            | precursor (LOC51303), mRNA.       |           |           |           |
| 1           |            | /FEA=mRNA /GEN=LOC51303           |           | -8-       | (         |
|             |            | /PROD=FK506 binding protein       |           | -         | 1)        |
| ·           |            | precursor /DB_XREF=gi:7706130     |           |           | 1         |
|             | ٠.         |                                   |           | -30-      |           |
|             | , .        | /UG=Hs.24048 FK506 binding        |           | · ·       | [         |
|             |            | protein precursor                 | 1         |           |           |
|             | . *.       | /FL=gb:AF238079.1                 | [         |           |           |
|             |            | gb:NM_016594.1                    | - 1       |           |           |
| *           |            |                                   |           |           |           |
| 219186_at   | 0.034721   | gb:NM_020224.1 /DEF=Homo          | NM_020224 | L         | NP_064609 |
|             |            | sapiens hypothetical protein      |           |           |           |
| · ·         | 8          | DKFZp547O146                      | ļ         | 4         |           |
|             |            | (DKFZp547O146), mRNA.             | ,         | 1.5       |           |
|             |            | /FEA=mRNA                         |           |           |           |
|             |            | /GEN=DKFZp547O146                 |           |           |           |
|             | 0          | /PROD=hypothetical protein        | ļ         | ~ .       | ]         |
| -           | 8 7        | DKFZp547O146                      | *         |           |           |
| ٠.          |            | /DB_XREF=gi:9910203               |           | ,         |           |
|             |            | /UG=Hs.91246 hypothetical         | *         |           |           |
|             |            | protein DKFZp547O146              |           |           | ļ         |
| -           |            | /FL=gb:NM_020224.1                |           |           |           |
| 219198_at   | 0.018693   | gb:NM_012204.1 /DEF=Homo          | NM 012204 |           | NP 036336 |
|             |            | sapiens general transcription     | 0 1220 1  |           |           |
|             |            | factor IIIC, polypeptide 4 (90kD) | }         | ł         | Ì         |
|             | -          | (GTF3C4), mRNA. /FEA=mRNA         |           |           |           |
|             | }          | /GEN=GTF3C4 /PROD=general         | 1         |           | ì         |
|             |            | transcription factor IIIC,        | :         |           |           |
| ·           | }          | polypeptide 4(90kD)               |           | 1.        | Ì         |
|             |            |                                   |           |           |           |
|             |            | /DB_XREF=gi:6912399               | l         | İ         | (         |
|             |            | /UG=Hs.22302 general              |           |           |           |
|             |            | transcription factor IIIC,        |           | İ '       | 3         |
|             |            | polypeptide 4 (90kD)              |           |           |           |
|             | *          | /FL=gb:AF142328.1                 | 1 .       | 1         | Ĭ         |
| 040005      |            | gb:NM_012204.1                    |           | ļ         |           |
| 219235_s_at | 0.046651   | gb:NM_023923.1 /DEF=Homo          | NM_023923 | * \       | NP_076412 |
|             |            | sapiens hypothetical protein      | }         |           |           |
|             |            | FLJ13171 (FLJ13171), mRNA.        |           |           |           |
|             |            | /FEA=mRNA /GEN=FLJ13171           | }         | ,         | 1         |
|             |            | /PROD=hypothetical protein        | 1         |           | 1         |
|             |            | FLJ13171                          |           | 1         | J         |
|             |            | /DB_XREF=gi:12965188              | 1         | · .       | 1         |
| -           |            | /UG=Hs.225641 hypothetical        | 1         | *         | )         |
|             |            | protein FLJ13171                  | 1         |           | 1         |
| ٠           | :          | /FL=gb:AF130081.1                 | 1         | 1         | 1         |
|             |            | gb:NM_023923.1                    |           |           | *.        |

|             |          | ng to Figure 19 - Coronary Artery I                   | E 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |             |           |
|-------------|----------|---|---|-------------|-----------|
|             | p-value  | Description   | Gene                                    | Unigene     | Protein   |
| ldentifi r  |          | 101   | Acc ssion                               | Accession   | Accession |
|             |          | <u> </u>  | No.                                     | No.         | No.       |
| 219282_s_at | 0.025284 | gb:NM_015930.1 /DEF=Homo                              | NM_015930                               |             |           |
|             |          | sapiens vanilloid receptor-like                       | * · · · · · · · · · · · · · · · · · · · | • • • • • • | . '       |
| 1           |          | protein 1 (VRL-1), mRNA.                              |   | ÷           | *         |
|             | • . (,   | /FEA=mRNA /GEN=VRL-1                                  | . 0                                     |             | 1         |
| ., .        |          | /PROD=vanilloid receptor-like                         | 8                                       | ) / / /     | l         |
| -           |          | protein 1 /DB_XREF=gi:7706764                         | ٠.                                      |             |           |
|             |          | /UG=Hs.279746 vanilloid receptor                      |   |             | }         |
| . 00        |          | like protein 1 /FL=gb:AF129112.1                      |   |             |           |
|             | i.       |   |   |             | ] *       |
|             | · .      | gb:NM_015930.1  |   |             |           |
|             | ,        | *)  |   | *           | : ·       |
| , .         |          |   |   |             |           |
| 219290_x_at | 0.046749 | gb:NM_014395.1 /DEF=Homo                              | NM_014395                               |             | NP_05521  |
|             |          | sapiens dual adaptor of                               | <u>.</u>                                |             | *         |
|             |          | phosphotyrosine and 3-                                | -80                                     |             | ·],       |
| *           | - 00     | phosphoinositides (DAPP1),                            |   |             |           |
| 8           |          | mRNA. /FEA=mRNA                                       |   |             |           |
| ā .         | *        | /GEN=DAPP1 /PROD=dual                                 |   | . %         |           |
|             |          | adaptor of phosphotyrosine and3-                      |   |             |           |
|             |          | phosphoinositides                                     |   |             |           |
|             |          | /DB_XREF=gi:7657006                                   | ] : -                                   | ]           | ] '       |
|             |          | /UG=Hs.62643 dual adaptor of                          |   |             |           |
|             |          |   |   | · ·         |           |
|             |          | phosphotyrosine and 3-                                | *                                       |             |           |
|             | •        | phosphoinositides                                     | •0                                      |             |           |
|             |          | /FL=gb:AF186022.1                                     |   | .*          |           |
|             |          | gb:NM_014395.1  |   |             |           |
| 219303_at   | 0.034721 | 10 -  | NM_024546                               |             | NP_07882  |
| •           |          | sapiens hypothetical protein                          | * .                                     |             | ,         |
|             |          | FLJ13449 (FLJ13449), mRNA.                            |   | 7           | · .       |
|             |          | /FEA=mRNA /GEN=FLJ13449                               |   |             |           |
|             |          | /PROD=hypothetical protein                            |   | : `         | ł         |
|             | ĺ        | FLJ13449  |   |             |           |
|             |          | /DB_XREF=gi:13375708                                  |   |             |           |
|             |          | /UG=Hs.10711 hypothetical                             |   |             |           |
| *           |          | protein FLJ13449                                      |   |             |           |
|             | -        | /FL=gb:AL136651.1                                     | 1                                       | J           | ļ         |
| 2           |          | T   |   |             |           |
| 2402044     | 0.040000 | gb:NM_024546.1  | NA 005000                               | ļ           | ND 4404   |
| 219304_s_at | 0.018023 | gb:NM_025208.1 /DEF=Homo                              | NM_025208                               | · ·         | NP_1491:  |
| •           |          | sapiens spinal cord-derived                           |   | ,           |           |
|             |          | growth factor-B (SCDGF-B),                            |   |             |           |
|             |          | mRNA. /FEA=mRNA                                       |   |             |           |
| ,           |          | /GEN=SCDGF-B /PROD=spinal                             |   |             |           |
|             |          | cord-derived growth factor-B                          |   | ,           |           |
|             |          | /DB_XREF=gi:13376807                                  |   |             |           |
| · · ·       | ł        | [/DD_VIVEL-All 1991,0001]                             |   |             | •         |
|             | 1 %      |   | inc.                                    | ,           | !         |
|             | 9,9      | /UG=Hs.112885 spinal cord-                            |   | ^           |           |
|             | 7.       | /UG=Hs.112885 spinal cord-<br>derived growth factor-B |   |             |           |
|             |          | /UG=Hs.112885 spinal cord-                            |   | t.          |           |

|                    |          | ng to Figure 19 - Coronary Artery |              |             |                |
|--------------------|----------|-----------------------------------|--------------|-------------|----------------|
| G ne               | p-value  | Description                       | Gene         | Unigene     | Protein        |
| ldentifier         |          | •                                 | Accession    | Accession   | Accession      |
|                    |          |                                   | No.          | No.         | No.            |
| 219334_s_at        | 0.034721 | gb:NM_022837.1 /DEF=Homo          | NM_022837    |             | NP_073748      |
|                    |          | sapiens hypothetical protein      |              | - · · · · · |                |
|                    |          | FLJ22833 (FLJ22833), mRNA.        | .9           |             |                |
|                    |          | /FEA=mRNA /GEN=FLJ22833           | ** * *       |             | [              |
| 0                  |          | /PROD=hypothetical protein        |              | <b>j</b> .  |                |
| -                  | <b>.</b> | FLJ22833                          |              | ,           |                |
|                    | j.       | /DB XREF=gi:12383083              |              |             |                |
|                    |          | /UG=Hs.118183 hypothetical        |              |             |                |
| 3                  |          | protein FLJ22833                  |              |             |                |
| . ,                | - '      | /FL=gb:NM_022837.1                |              | ٠.          | *              |
| 219351_at          | 0.018023 | gb:NM 014563.1 /DEF=Homo          | NM 014563    | ·           | NP_055378      |
|                    | 0.0.0020 | sapiens spondyloepiphyseal        | 1.111_014000 |             | -000070        |
|                    |          | dysplasia, late (SEDL), mRNA.     |              |             | 1              |
|                    | 188      | /FEA=mRNA /GEN=SEDL               | :            |             |                |
|                    |          | //PROD≑spondyloepiphyseal         | 1 T.         |             |                |
|                    |          |                                   | *            |             |                |
| *                  |          | dysplasia, late                   |              |             |                |
|                    | 285      | /DB_XREF=gi:7657547               |              |             |                |
|                    | 8.5      | /UG=Hs.174038                     |              |             | 1              |
|                    |          | spondyloepiphyseal dysplasia,     |              | : •         |                |
| 0.10000            | 0.044705 | late /FL=gb:NM_014563.1           | 1111 000107  |             | 1000000        |
| 219386_s_at        | 0.041/95 | gb:NM_020125.1 /DEF=Homo          | NM_020125    |             | NP_064510      |
| . "                |          | sapiens BCM-like membrane         | i ·          |             | ĺ              |
|                    |          | protein precursor (SBBI42),       | H =          |             |                |
|                    | ĺ        | mRNA /FEA=mRNA                    | [            |             |                |
|                    |          | /GEN=SBBI42 /PROD=BCM-like        |              |             |                |
|                    |          | membrane protein precursor        | ,            |             | {              |
| ,                  | ]        | /DB_XREF=gi:9910341               | *            | ·           | * 4            |
|                    |          | /UG=Hs.20450 BCM-like             |              |             |                |
| ]                  | J        | membrane protein precursor        |              |             | 1              |
| -,                 |          | /FL=gb:AF144235.1                 |              |             |                |
|                    |          | gb:NM_014036.1 gb:AF146761.1      |              |             |                |
|                    | /*       | gb:NM_020125.1                    |              | . *         |                |
| 219399_at          | 0.018222 | gb:NM_018362.1 /DEF=Homo          | NM_018362    |             | NP_060832      |
|                    |          | sapiens likely ortholog of mouse  |              |             | ļ <del>-</del> |
|                    | İ        | LIN-7C; mammalian LIN-7           | +            | _           |                |
| 1                  | 10       | protein 3 (LIN-7-C), mRNA.        |              |             |                |
|                    |          | /FEA=mRNA /GEN=LIN-7-C            |              | 1           | }              |
|                    |          | /PROD=LIN-7 protein 3             |              |             | . =            |
| <b>∤</b> * * : : : |          | /DB XREF=gi:8922943               |              |             | {              |
| 1                  |          | /UG=Hs.306206 LIN-7 protein 3     | -            |             | 1              |
| ·                  |          | /FL=gb:NM 018362.1                |              | ] .         |                |
|                    |          | /r. L-gb.14141_0 10302.1          |              | <u></u>     | <u> </u>       |

|                                       |          | ng to Figure 19 - Coronary Artery              |               | Uninona        | Protein      |
|---------------------------------------|----------|--|---------------|----------------|--------------|
| Gene                                  | p-value  | Description                                    | Gene          | Unigene        |              |
| Identifier                            | :        |  | Accession     | Accession      | Accession    |
|                                       |          |  | No.           | No.            | No.          |
| 219541 at                             | 0.038535 | gb:NM 017806.1 /DEF=Homo                       | NM_017806     |                | NP_060276    |
| · · · · · · · · · · · · · · · · · · · |          | sapiens hypothetical protein                   |               | * * 1/         |              |
|                                       |          | FLJ20406 (FLJ20406), mRNA.                     |               |                |              |
|                                       | *        | /FEA=mRNA /GEN=FLJ20406                        |               |                |              |
| _                                     |          |  |               |                |              |
|                                       | ı        | /PROD=hypothetical protein                     |               | 1              |              |
|                                       | ļ*       | FLJ20406 /DB_XREF=gi:8923377                   |               |                | · ·          |
|                                       |          | /UG=Hs.149227 hypothetical                     |               |                | ,            |
| •.                                    |          | protein FLJ20406                               | , i           |                |              |
|                                       |          | /FL=gb:NM_017806.1                             | 1             | *              |              |
| :                                     |          |  | · .           |                |              |
| 219574_at                             | 0.034721 | gb:NM 017923.1 /DEF=Homo                       | NM 017923     | - 1177 117 117 | NP 060393    |
| _ 1001 +_ac                           | 7.004721 | sapiens hypothetical protein                   | 1,111_0,11020 |                |              |
|                                       |          |  | . '-          | 1 . '          |              |
|                                       |          | FLJ20668 (FLJ20668), mRNA                      |               |                |              |
| .*                                    | - 51.    | /FEA=mRNA /GEN=FLJ20668                        |               |                | -            |
|                                       |          | /PROD=hypothetical protein                     |               |                | *            |
|                                       |          | FLJ20668 /DB_XREF=gi:8923612                   | jaga - S      |                | -            |
| ,                                     | 98       | /UG=Hs.12920 hypothetical                      | i .           |                |              |
| ;                                     |          | protein FLJ20668                               |               |                |              |
|                                       |          | /FL=gb:NM_017923.1                             |               | **             |              |
|                                       | <u> </u> | J. 2 32  |               |                |              |
| 219582 at                             | 0.018023 | gb:NM 024576.1 /DEF=Homo                       | NM 024576     |                | NP 078852    |
| 2.19302_at                            | 0.010023 | sapiens hypothetical protein                   | WI_024570     |                | 111 _07 0002 |
|                                       | -        |  |               |                |              |
|                                       |          | FLJ21079 (FLJ21079), mRNA.                     |               |                |              |
|                                       |          | /FEA=mRNA /GEN=FLJ21079                        |               |                |              |
|                                       |          | /PROD=hypothetical protein                     |               |                |              |
|                                       |          | FLJ21079                                       |               |                | 9            |
|                                       | , , ,    | /DB_XREF=gi:13375751                           |               |                |              |
|                                       |          | /UG=Hs.16512 hypothetical                      |               |                |              |
|                                       |          | protein FLJ21079                               |               |                |              |
|                                       |          |  |               |                |              |
| 210500 55                             | 0.024704 | /FL=gb:NM_024576.1<br>gb:NM_018507.1 /DEF=Homo | NM 018507     |                | ND 06007     |
| 219599_at                             | 0.034/21 | [ · -  | /טפסוט_ואואון |                | NP_060977    |
|                                       |          | sapiens hypothetical protein                   |               |                |              |
| ·                                     |          | PRO1843 (PRO1843), mRNA.                       |               | 1991.          |              |
|                                       |          | /FEA=mRNA /GEN=PRO1843                         | 1             |                |              |
|                                       |          | /PROD=hypothetical protein                     | Ì             |                | ł            |
|                                       | I        | PRO1843 /DB_XREF=gi:8924082                    |               |                | 1            |
|                                       | , `      | /UG=Hs.283330 hypothetical                     |               |                |              |
|                                       |          | protein PRO1843                                |               |                | , .          |
|                                       | ,        |  |               |                |              |
|                                       |          | /FL=gb:AF119854.1                              |               |                | -)(-         |
| *                                     |          | gb:NM_018507.1                                 | -             | π.             |              |
|                                       | 1        |  | 100           |                |              |

| Gene          | p-value    | ng to Figure 19 - Coronary Artery ID scription | Gene         | Unigene   | Protein  |
|---------------|------------|--|--------------|-----------|--|
|               | p-value    | D scription                                    |              | _         |  |
| Identifier    |            | i i  | Accession    | Acc ssion | Accession  |
|               | · · ·      |  | No.          | No.       | No.  |
| 219600_s_at   | 0.046749   | gb:NM_006134.2 /DEF=Homo                       | NM_006134    |           | NP_006125  |
|               |            | sapiens chromosome 21 open                     |              |           |  |
|               |            | reading frame 4 (C21ORF4),                     |              |           | ⊕ .  |
|               |            | mRNA. /FEA=mRNA                                |              | , -7      |  |
|               |            | /GEN=C21ORF4                                   | ĺ            | ·         |  |
| •             | -          | /PROD=chromosome 21 open                       | 0.           |           |  |
| •             |            | reading frame 4                                |              |           | *  |
| Y .           | 1          |  |              | 1 .       | ľ  |
|               |            | /DB_XREF=gi:8659558                            |              |           |  |
|               |            | /UG=Hs.284142 chromosome 21                    |              |           |  |
| *             |            | open reading frame 4                           |              | 0         |  |
|               |            | /FL=gb:BC000569.1                              | . *          | -         |  |
|               |            | gb:AF045606.2 gb:NM_006134.2                   |              |           | ,  |
| 219667_s_at   | 0.036254   | gb:NM_017935.1 /DEF=Homo                       | NM_017935    |           | NP_060405  |
|               |            | sapiens hypothetical protein                   |              |           |  |
| ·             |            | FLJ20706 (FLJ20706), mRNA.                     |              |           |  |
|               | *          | /FEA=mRNA /GEN=FLJ20706                        |              |           |  |
|               | i .        | /PROD=hypothetical protein                     | , ,          |           | <b>]</b>   |
| -             |            | FLJ20706 /DB XREF=gi:8923635                   |              |           |  |
| 8.8           |            | /UG=Hs.193736 hypothetical                     |              | 1         | * .  |
|               |            | protein FLJ20706                               |              |           |  |
|               |            | /FL=gb:NM_017935.1                             |              |           | -  |
| *             | -          | 7/ E-gb.NM_01/955.1                            | 1            |           |  |
| 219669 at     | 0.027220   | gb:NM_020406.1 /DEF=Homo                       | NM 020406    | 8 9       | NP 065139  |
| 2 19009_at    | 0.027239   | sapiens polycythemia rubra vera                | 14101_020400 | ·].       | JINI _000 15.                                    |
|               |            |  |              |           |  |
|               | Ì          | 1; cell surface receptor (PRV1),               |              | ,         |  |
|               |            | mRNA. /FEA=mRNA                                | 1            |           | 1  |
| . 0           |            | /GEN=PRV1                                      |              |           | · ·  |
|               |            | /PROD=polycythemia rubra vera                  |              |           |  |
|               | 1          | 1; cell surfacereceptor                        | ] .          | 8 8       | j  |
|               | · <b> </b> | /DB_XREF=gi:9966888                            |              |           |  |
|               | 1          | /UG=Hs.232165 polycythemia                     |              |           | · (*)  |
|               |            | rubra vera 1; cell surface                     |              |           |  |
|               |            | receptor /FL=gb:AF146747.1                     | · .          | '         |  |
| , at          |            | gb:NM_020406.1                                 |              |           |  |
| 219679_s_at   | 0.026013   | gb:NM_018604.1 /DEF=Homo                       | NM 018604    |           | <del>                                     </del> |
| 2 1007 0_3_ac | 0.020010   | sapiens hypothetical protein                   | -010001      |           |  |
| . *           | *          | PRO1741 (PRO1741), mRNA.                       |              |           |  |
|               |            | /FEA=mRNA /GEN=PRO1741                         |              |           |  |
| • "           | 1          |  | 1            |           |  |
| · .           |            | /PROD=hypothetical protein                     | 1            |           |  |
| ,             |            | PRO1741 /DB_XREF=gi:8924074                    | 1            | 1         | :  |
|               | 9=         | /UG=Hs.306067 hypothetical                     |              |           |  |
| •             |            | protein PRO1741                                |              |           |  |
|               |            | /FL=gb:AF116666.1                              | 1            |           | 1 ' '  |
|               |            | gb:NM_018604.1                                 |              |           |  |
| ı             | 1          | 1  | L            | 1         | 1  |

|                                       |          | ng to Figure 19 - Coronary Artery |            | Unicono   | Drote:-   |
|---------------------------------------|----------|-----------------------------------|------------|-----------|-----------|
| Gene                                  | p-value  | Description                       | Gene       | Unigene   | Protein   |
| Identifier                            |          |                                   | Accession  | Accession | Accession |
|                                       |          |                                   | No.        | No.       | No.       |
| 219717_at                             | 0.049425 | gb:NM_017741.1 /DEF=Homo          | NM_017741  |           | NP_060211 |
| · · · · · · · · · · · · · · · · · · · |          | sapiens hypothetical protein      |            |           | 1         |
|                                       | ٠,       | FLJ20280 (FLJ20280), mRNA.        |            | ,         | χ.        |
|                                       | 1        | /FEA=mRNA /GEN=FLJ20280           |            |           |           |
| •                                     | ·        | /PROD=hypothetical protein        |            |           |           |
|                                       |          | FLJ20280 /DB_XREF=gi:8923256      | 1          | 9         |           |
|                                       |          | /UG=Hs.270134 hypothetical        |            |           |           |
| •                                     | ,        |                                   |            |           |           |
|                                       | ·        | protein FLJ20280                  |            |           |           |
| • •                                   | 1        | /FL=gb:NM_017741.1                |            |           | i .       |
| ` ·                                   |          |                                   |            |           |           |
| 219757_s_at                           | 0.036254 | gb:NM_017799.1 /DEF=Homo          | NM_017799  |           | NP_060269 |
| 1                                     |          | sapiens hypothetical protein      |            |           |           |
|                                       | [        | FLJ20392 (FLJ20392), mRNA.        | [          | · ·       | 1         |
|                                       | ÷        | /FEA=mRNA /GEN=FLJ20392           |            |           | ļ         |
| •                                     |          | /PROD=hypothetical protein        |            |           |           |
|                                       |          | FLJ20392 /DB XREF=gi:8923365      |            |           |           |
|                                       |          | /UG=Hs.27047 hypothetical         |            |           | ~         |
| •                                     |          | protein FLJ20392                  |            | ,         | -         |
| •                                     |          | /FL=gb:NM_017799.1                |            | ļ         |           |
| 0                                     |          | /FL=gb.NW_01/199.1                | 3 1        | •         |           |
| 040000                                | 0.024704 | chiNIM 024954.4 /DEE-Home         | NIM COASEA |           | NP 079130 |
| 219802_at                             | 0.034721 | 10 -                              | NM_024854  |           | NF_0/913  |
| 1.                                    |          | sapiens hypothetical protein      | ,          | 9-        |           |
|                                       |          | FLJ22028 (FLJ22028), mRNA.        |            |           |           |
| •                                     |          | /FEA=mRNA /GEN=FLJ22028           |            |           |           |
|                                       |          | /PROD=hypothetical protein        |            | •         |           |
|                                       |          | FLJ22028                          |            |           | l         |
|                                       | ļ        | /DB_XREF=gi:13376278              | •          |           |           |
| • 3                                   |          | /UG=Hs.192570 hypothetical        |            | 8         | 1.        |
|                                       |          | protein FLJ22028                  | : '        |           | l         |
|                                       |          | /FL=gb:NM_024854.1                |            |           |           |
| 219812_at                             | 0.018222 | gb:NM 024070.1 /DEF=Homo          | NM 024070  | ,         | 1.        |
| 210012_at                             | 0.0.0222 | sapiens hypothetical protein      | 0,         |           | l         |
| · (i)                                 |          | MGC2463 (MGC2463), mRNA.          |            |           | 100       |
|                                       | 1        | /FEA=mRNA /GEN=MGC2463            | 1          |           |           |
| ,                                     | J .      |                                   | ,          |           |           |
|                                       |          | /PROD=hypothetical protein        | *          |           | 1 **      |
| 10                                    |          | MGC2463                           |            |           | 19. °     |
| - 50 -                                |          | /DB_XREF=gi:13129051              |            | 1         |           |
| j . ', ' ·                            | ]        | /UG=Hs.323634 hypothetical        |            | J         | }         |
|                                       |          | protein MGC2463                   |            |           |           |
|                                       |          | /FL=gb:BC001129.1                 |            |           | 1         |
|                                       |          | gb:NM_024070.1                    | 1          |           | ,         |

|             |          | ng to Figure 19 - Coronary Artery I |              |           | Z         |
|-------------|----------|-------------------------------------|--------------|-----------|-----------|
| Gene        | p-value  | Description                         | Gene         | Unigene   | Protein   |
| Identifier  | 9        | 4.                                  | Accession    | Accession | Accession |
|             |          |                                     | No           | No.       | No.       |
| 219878_s_at | 0.03018  | gb:NM_015995.1 /DEF=Homo            | NM_015995    |           | NP_057079 |
|             |          | sapiens Kruppel-like factor 13      |              |           |           |
|             |          | (KLF13), mRNA. /FEA=mRNA            |              |           | <b>│</b>  |
|             |          | /GEN=KLF13 /PROD=Kruppel-like       |              |           |           |
| l           | ]        | factor 13 /DB_XREF=gi:7706289       |              | j ·       | J         |
|             |          | /UG=Hs.7104 Kruppel-like factor     |              | ·         | -Y-       |
| •           |          | 13 /FL=gb:AF132599.1                |              |           |           |
|             |          | gb:AF150628.1 gb:NM 015995.1        |              |           |           |
| : -         |          | J 3 =                               |              | ]         |           |
| 219941_at   | 0.042466 | gb:NM_018279.1 /DEF=Homo            | NM 018279    |           | NP_060749 |
|             |          | sapiens hypothetical protein        | <del>-</del> |           |           |
| •           |          | FLJ10936 (FLJ10936), mRNA.          | •            |           |           |
|             | -30      | /FEA=mRNA /GEN=FLJ10936             |              |           | ,         |
| -           |          | /PROD=hypothetical protein          |              |           |           |
| 0.0         |          | FLJ10936 /DB_XREF=gi:8922782        | ,            |           |           |
|             |          | /UG=Hs.7337 hypothetical protein    |              |           |           |
|             |          | FLJ10936 /FL=gb:NM_018279.1         | ÷            |           |           |
|             |          |                                     |              |           | 1         |
| *           |          | - 4                                 | <b>(</b>     |           |           |
| 219957_at   | 0.018023 | gb:NM 017987.1 /DEF=Homo            | NM 017987    |           | NP 060457 |
| <del></del> |          | sapiens hypothetical protein        |              |           | -         |
|             |          | FLJ10063 (FLJ10063), mRNA.          |              | 8         |           |
| *<br>E      |          | /FEA=mRNA /GEN=FLJ10063             | 4.7          | W.        |           |
|             |          | /PROD=hypothetical protein \        | -            |           |           |
|             | ,        | FLJ10063 /DB_XREF=gi:8922215        |              |           |           |
|             | . *      | /UG=Hs.154091 hypothetical          |              |           | 12        |
|             |          | protein FLJ10063                    | ,            |           |           |
| ·,          |          | /FL=gb:NM_017987.1                  |              |           |           |
| *           |          |                                     |              |           |           |
| 219983_at   | 0.021165 | gb:NM 020386.1 /DEF=Homo            | NM_020386    |           | NP_065119 |
|             | ]        | sapiens H-REV107 protein-           |              |           |           |
|             |          | related protein (LOC57110),         |              |           | 1         |
|             |          | mRNA. /FEA=mRNA                     |              |           | ļ         |
|             | -        | /GEN=LOC57110 /PROD=H-              |              |           |           |
|             |          | REV107 protein-related protein      | }            |           | }         |
|             |          | /DB_XREF=gi:9966858                 | 0            | ,         |           |
|             |          | /UG=Hs.36761 H-REV107 protein       |              |           |           |
|             |          | related protein                     |              |           |           |
| }           |          | /FL=gb:AB030816.1                   |              |           | -         |
| *.          |          | gb:NM 020386.1                      | ·            | 1 .       |           |
|             | i        | 19D.14M_UZUJUU. 1                   | I            | 1         | 9.0       |

| Gene List Co       | rrespondir | ng to Figure 19 - Coronary Artery I | Disease           |                      |                      |
|--------------------|------------|-------------------------------------|-------------------|----------------------|----------------------|
| Gene<br>Identifier | p-value    | Description                         | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
|                    |            |                                     | No.               | No.                  | No.                  |
| 219988_s_at        | 0.018023   | gb:NM_018150.1 /DEF=Homo            | NM_018150         |                      | NP_060620            |
| -                  | :          | sapiens hypothetical protein        |                   | -                    |                      |
| *                  |            | FLJ10597 (FLJ10597), mRNA.          | ]                 | ÷)(-                 |                      |
|                    |            | /FEA=mRNA /GEN=FLJ10597             | ·                 | 9 9                  |                      |
| ļ                  |            | /PROD=hypothetical protein          |                   |                      |                      |
|                    |            | FLJ10597 /DB_XREF=gi:8922541        |                   |                      | 1                    |
|                    |            | /UG=Hs.90375 hypothetical           | } .               |                      | 9                    |
|                    | . · ·      | protein FLJ10597                    |                   |                      |                      |
|                    |            | /FL=gb:NM_018150.1                  |                   |                      |                      |
| . 19               |            |                                     | 1                 |                      |                      |
| 220036_s_at        | 0.049425   | gb:NM_018113.1 /DEF=Homo            | NM_018113         |                      | NP_060583            |
|                    | Ţ.         | sapiens hypothetical protein        |                   |                      |                      |
|                    |            | FLJ10494 (FLJ10494), mRNA.          | ·                 | ₹.                   | **                   |
|                    |            | /FEA=mRNA /GEN=FLJ10494             |                   |                      |                      |
| 0                  |            | /PROD=hypothetical protein          |                   |                      | 1.                   |
|                    |            | FLJ10494 /DB_XREF=gi;8922462        |                   |                      |                      |
|                    |            | /UG=Hs.272838 hypothetical          | •                 |                      |                      |
|                    | • •.       | protein FLJ10494                    |                   |                      | ,                    |
|                    |            | /FL=gb:NM_018113.1                  | 62                |                      |                      |
|                    |            |                                     |                   |                      |                      |
| 220048_at          | 0.018222   | gb:NM_022336.1 /DEF=Homo            | NM_022336         | .*                   | NP_071731            |
|                    |            | sapiens ectodysplasin 1,            |                   | · .                  |                      |
| * 1                |            | anhidrotic receptor (EDAR),         | r                 |                      | *                    |
|                    |            | mRNA. /FEA=mRNA                     |                   |                      |                      |
|                    | •          | /GEN=EDAR                           |                   |                      |                      |
|                    |            | /PROD=ectodysplasin 1,              |                   |                      | - 7                  |
| -                  |            | anhidrotic receptor                 |                   |                      | **                   |
|                    | ,          | /DB_XREF=gi:11641230                | · ·               |                      |                      |
|                    |            | /UG=Hs.58346 ectodysplasin 1,       |                   | 70                   | , i                  |
|                    |            | anhidrotic receptor                 |                   | *                    |                      |
| )                  |            | /FL=gb:NM_022336.1                  |                   | ٠.                   | •                    |
|                    |            | gb:AF130988.1                       |                   |                      |                      |
| 220081_x_at        | 0.049425   | gb:NM_016371.1 /DEF=Homo            | NM_016371         |                      | NP_057455            |
|                    | 6          | sapiens hydroxysteroid (17-beta)    |                   |                      | 4 1                  |
|                    |            | dehydrogenase 7 (HSD17B7),          |                   |                      |                      |
| - 1                |            | mRNA. /FEA=mRNA                     |                   | •                    |                      |
|                    |            | /GEN=HSD17B7                        |                   |                      | 1                    |
|                    |            | /PROD=hydroxysteroid (17-beta)      |                   | , '                  |                      |
|                    | ·          | dehydrogenase 7                     |                   | -                    |                      |
|                    |            | /DB_XREF=gi:7705420                 | *                 |                      | ,t                   |
|                    |            | /UG=Hs.187579 hydroxysteroid        |                   |                      | 0                    |
|                    |            | (17-beta) dehydrogenase 7           | 1                 |                      |                      |
| 1                  | , -        | /FL=gb:AF098786.2                   |                   |                      |                      |
| 1                  |            | gb:NM_016371.1                      |                   |                      | 1                    |

| Gene         | p-value    | ng to Figure 19 - Coronary Artery I<br>Description | Gene      | Unigene      | Protein   |
|--------------|------------|--|-----------|--------------|-----------|
|              | b-yaine    | Description  |           | -            |           |
| ldentifier   |            | <b>、</b> **.                                       | Accession | Accession    | Accession |
|              |            | ζ,   | No.       | No.          | No.       |
| 220187_at    | 0.034721   | gb:NM_024636.1 /DEF=Homo                           | NM_024636 |              | NP_078912 |
|              |            | sapiens hypothetical protein                       |           |              | ŀ         |
|              | , '        | FLJ23153 (FLJ23153), mRNA                          |           |              |           |
|              |            | /FEA=mRNA /GEN=FLJ23153                            | 1         |              |           |
| <del>.</del> |            | /PROD=hypothetical protein                         |           |              |           |
|              |            | FLJ23153   |           |              |           |
|              |            |  | *         |              | 1         |
|              |            | /DB_XREF=gi:13375867                               |           |              |           |
|              | { .        | /UG=Hs.44208 hypothetical                          |           |              |           |
|              | 1 .        | protein FLJ23153                                   |           | ļ            |           |
|              |            | /FL=gb:NM_024636.1                                 |           |              |           |
| 220307 at    | 0.028893   | gb:NM 016382.1 /DEF=Homo                           | NM_016382 | ,            | NP_057466 |
| ·            |            | sapiens natural killer cell                        | . —       |              |           |
|              | * .        | receptor 2B4 (CD244), mRNA.                        | 1         | 1            | 1         |
|              |            | /FEA=mRNA /GEN=CD244                               |           | - 5-         |           |
| * * *        |            |  | [ ·       | · .          | [ ·       |
| (0)          |            | /PROD=natural killer cell                          | ]         | r            | l to the  |
|              |            | receptor 2B4                                       |           |              |           |
|              | ì          | /DB_XREF=gi:7706528                                | · .       |              |           |
| •            |            | /UG=Hs.157872 natural killer cell                  |           | ,            |           |
|              | ł          | receptor 2B4 /FL=gb:AF242540.1                     |           | ł .          |           |
|              |            | gb:AF105261.1 gb:AF145782.1                        | * .       | -            |           |
|              | -          | gb:AF107761.2 gb:AF117711.1                        |           | <b>,</b>     |           |
| •            |            | gb:NM_016382.1                                     |           |              |           |
| *            | 1          | 19b.14W_010302.1                                   |           |              |           |
| 220226       | 0.022056   | gb:AB043821.1 /DEF=Homo                            | AB043821  |              | NP 05744  |
| 220336_s_at  | 0.023030   |  |           | :            | NF_03744  |
|              |            | sapiens GPVI mRNA for platelet                     |           | 1            | } .       |
| . ·          | · \        | glycoprotein VI-3, complete cds.                   | _         |              |           |
| -V-          |            | /FEA=mRNA /GEN=GPVI                                |           | <b>i</b> . , |           |
|              |            | /PROD=platelet glycoprotein VI-3                   |           | . 5          |           |
|              | 1 "        | /DB_XREF=gi:9955913                                |           |              |           |
|              | - 2-       | /UG=Hs.272216 glycoprotein VI                      |           | , .          |           |
|              |            | (platelet) /FL=gb:AB035073.1                       | -7.       |              |           |
| ,            |            | gb:NM_016363.1 gb:AB043819.1                       | }.        | · .          |           |
| ·<br>!       | 100        |  | . (8)     |              | ·         |
|              | 13         | gb:AB043821.1                                      |           | 1            | 1         |
|              |            | <u> </u>   |           | <del></del>  | <u> </u>  |
| 220342_x_at  | [ 0,018222 | gb:NM_017992.1 /DEF=Homo                           | NM_017992 |              | 1         |
|              |            | sapiens hypothetical protein                       |           |              |           |
| 1            |            | FLJ10083 (FLJ10083), mRNA.                         | Į.        |              | 1         |
| .8           |            | /FEA=mRNA /GEN=FLJ10083                            | 1         | }            | 1         |
| • .          |            | /PROD=hypothetical protein                         |           | 1            |           |
| ē j          | 1          |  | 1         | 1            | } .       |
|              |            | FLJ10083 /DB_XREF=gi:8922223                       |           |              | 545       |
|              | 1          | /UG=Hs.279951 hypothetical                         | 1         | 1            | 1         |
|              | 1.         | protein FLJ10083                                   |           |              | 1         |
| *            | ,          | /FL=gb:NM_017992.1                                 | Ĭ         |              | [         |
|              | 1          | i  | i         | 1 '          | 1         |

| G n List Co | rrespondir | ig to Figure 19 - Coronary Artery I | Disease     |           |            |
|-------------|------------|-------------------------------------|-------------|-----------|------------|
| Gene        | p-value    | Description                         | Gene        | Unig ne   | Protein    |
| ldentifi r  |            |                                     | Accession   | Acc ssion | Accession  |
| ,           | 3          | ·                                   | No.         | No.       | No.        |
| 220547_s_at | 0.025284   | gb:NM_019054.1 /DEF=Homo            | NM_019054   |           | NP 061927  |
|             |            | sapiens hypothetical protein        |             |           | -          |
| . • .       | ·          | MGC5560 (MGC5560), mRNA.            | .`          |           | ·          |
|             |            | /FEA=mRNA /GEN=MGC5560              | ·           |           | *          |
|             |            | /PROD=hypothetical protein          | 08          | ,         | *          |
|             | . !        | MGC5560                             |             | 10        |            |
| Y-2-        | ·          | /DB_XREF=gi:12963480                | }           |           |            |
| . 77        |            | /UG=Hs.233150 hypothetical          |             |           |            |
|             |            | protein MGC5560                     |             |           |            |
|             |            | /FL=gb:NM_019054.1                  | g. 30       |           | \          |
| 220590 ot   | 0.034721   | gb:NM 025044.1 /DEF=Homo            | NM 025044   |           | NP 079320  |
| 220580_at   | 0.034721   |                                     | NIVI_023044 |           | 14107-9520 |
| (X)         |            | sapiens hypothetical protein        | j           |           | Ì          |
| . *         |            | FLJ22476 (FLJ22476), mRNA.          |             | · .       | * .        |
| ~           |            | /FEA=mRNA /GEN=FLJ22476             | }           |           |            |
|             |            | /PROD=hypothetical protein          |             |           |            |
|             | ;          | FLJ22476                            | ***         | * *       | *          |
| l           |            | /DB_XREF=gi:13376569                | <b>.</b>    |           |            |
|             |            | /UG=Hs.287696 hypothetical          |             |           |            |
|             |            | protein FLJ22476                    | . ():       |           |            |
|             | 1.1        | /FL=gb:NM_025044.1                  | _           |           |            |
| 220607_x_at | 0.034721   | 10                                  | NM_016397   | ,         | NP_057481  |
| I.          |            | sapiens TH1 drosophila homolog      |             |           |            |
| *           |            | (HSPC130), mRNA. /FEA=mRNA          |             |           |            |
| 1           | ĺ          | /GEN=HSPC130 /PROD=TH1              |             | į.        |            |
|             |            | drosophila homolog                  |             |           |            |
|             | 1          | /DB_XREF=gi:7705462                 |             |           | * .        |
|             | *          | /UG=Hs.5184 TH1 drosophila          | ·           |           |            |
|             |            | homolog /FL=gb:AF161479.1           |             |           |            |
|             |            | gb:NM_016397.1                      | 1           |           |            |
| 220646_s_at | 0.026013   | gb.NM_016523.1 /DEF=Homo            | NM_016523   |           | NP_057607  |
| , .         | . *        | sapiens killer cell lectin-like     |             | 1         | 8-0        |
|             |            | receptor F1 (KLRF1), mRNA.          |             |           |            |
|             |            | /FEA=mRNA /GEN=KLRF1                |             |           |            |
|             |            | /PROD=killer cell lectin-like       |             |           |            |
|             |            | receptor F1                         | 1           |           |            |
|             |            | /DB_XREF=gi:7705573                 |             |           |            |
|             |            | /UG=Hs.183125 killer cell lectin-   |             |           |            |
|             | *          | like receptor F1                    |             | 1         |            |
|             |            | /FL=gb:AF175206.1                   |             |           | ·          |
|             | <u> </u>   | gb:NM_016523.1                      |             |           |            |
| 220684_at   | 0.025284   | gb:NM_013351.1 /DEF=Homo            | NM_013351   |           | NP_037483  |
|             |            | sapiens T-box 21 (TBX21),           |             |           |            |
| İ           | 1          | mRNA. /FEA=mRNA                     |             | }         |            |
|             | ]          | /GEN=TBX21 /PROD=T-box 21           | ,           |           |            |
|             |            | /DB_XREF=gi:7019548                 | 1           |           |            |
|             | 1 2        | /UG=Hs.272409 T-box 21              |             | 1         | *          |
| . :         |            | /FL=gb:AF093098.1                   |             |           |            |
|             | ,          | gb:NM_013351.1 gb:AF241243.2        | J           | I         | I          |

|                 |            | ng to Figure 19 - Coronary Artery I  |           | ļ         |             |
|-----------------|------------|--|-----------|-----------|-------------|
| Gene            | p-value    | Description  | Gene      | Ûnigene   | Protein     |
| ldentifier      | 1          |  | Accession | Accession | Accession   |
|                 |            |  | No.       | No.       | No.         |
| 220704_at       | 0.046749   | gb:NM 018563.1 /DEF=Homo   | NM_018563 | ····      | NP_00605    |
| c2010ac         | 0.0.10. 10 | sapiens hypothetical protein   | 0.10000   | 4 . 4     |             |
|                 |            |  |           |           |             |
| T.              |            | PRO0758 (PRO0758), mRNA.   |           |           |             |
|                 | *          | /FEA=mRNA /GEN=PRO0758   |           | - 0.0     | [           |
|                 |            | /PROD=hypothetical protein   |           |           | }           |
|                 |            | PRO0758 /DB_XREF=gi:8923974  | 1         |           | }           |
|                 |            | /UG=Hs.283708 hypothetical   |           |           |             |
|                 |            | protein PRO0758  |           |           | -           |
| ·               |            | /FL=gb:AF116605.1  |           | -/        |             |
| •               |            |  |           |           |             |
| . "             | ٠.         | gb:NM_018563.1   |           |           | <b>[</b>    |
|                 |            |  |           |           |             |
| 220740_s_at     | 0.034721   | gb:NM_005135.1 /DEF=Homo   | NM_005135 |           | NP_00512    |
|                 |            | sapiens solute carrier family 12   |           |           |             |
| , a, a, a, Y, a |            | (potassiumchloride transporters),  |           | 4         | * * *       |
|                 | - X        | member 6 (SLC12A6), mRNA.  |           |           | ļ           |
|                 |            | /FEA=mRNA /GEN=SLC12A6   |           |           |             |
|                 |            |  | · .       |           |             |
|                 |            | /PROD=solute carrier family 12   |           | 1         |             |
|                 |            | (potassiumchloridetransporters),   |           |           |             |
|                 |            | member 6   |           | 8         |             |
|                 |            | /DB_XREF=gi:4826779  | ł         | }·        |             |
|                 |            | /UG=Hs.4876 solute carrier   |           | 1         |             |
| , ,             |            | family 12 (potassiumchloride   |           |           | - ), -      |
|                 | ·          | transporters), member 6  |           |           |             |
|                 | -          |  |           | 10 y 00   |             |
|                 | *          | /FL=gb:AF108831.1  |           |           | `           |
| ;               | i          | gb:NM_005135.1   |           |           | [           |
|                 |            |  |           |           |             |
| 220753_s_at     | 0.048741   | gb:NM_015974.1 /DEF=Homo   | NM_015974 |           | NP_05705    |
|                 |            | sapiens lambda-crystallin  |           |           |             |
|                 |            | (LOC51084), mRNA.  |           | ľ.,       | İ           |
| •               | 1          | /FEA=mRNA /GEN=LOC51084  |           |           | 1           |
|                 |            | /PROD=lambda-crystallin  |           |           |             |
|                 |            |  | -         |           |             |
| •               | ٠.         | /DB_XREF=gi:7705743  |           |           | 50-         |
|                 |            | /UG=Hs.108896 lambda-crystallin  | 9         | *         |             |
|                 |            | /FL=gb:AF077049.1  |           |           |             |
|                 |            | gb:NM_015974.1   |           | l         | ·           |
| 220791_x_at     | 0.018023   | gb:NM_014139.1 /DEF=Homo   | NM 014139 |           | NP 05485    |
|                 |            | sapiens sodium channel, voltage-   | _         | ,         | <del></del> |
|                 | Í          | gated, type XII, alpha   |           |           |             |
|                 |            |  |           | -         | {           |
|                 | j          | polypeptide (SCN12A), mRNA.  |           | -         |             |
|                 |            | /FEA=mRNA /GEN=SCN12A  |           | *         |             |
|                 | I          |  |           |           | 1           |
|                 |            | /PROD=sodium channel, voltage-   |           |           | ŀ           |
|                 |            | //PROD≈sodium channel, voltage-<br>gated, type XII, alphapolypeptide   |           |           |             |
|                 | g          | gated, type XII, alphapolypeptide  |           |           |             |
| *               |            | gated, type XII, alphapolypeptide /DB_XREF=gi:7657541  |           |           |             |
| *               |            | gated, type XII, alphapolypeptide<br>/DB_XREF=gi:7657541<br>/UG=Hs.186877 sodium channel,  |           |           | *           |
| *               | ,          | gated, type XII, alphapolypeptide /DB_XREF=gi:7657541 /UG=Hs.186877 sodium channel, voltage-gated, type XII, alpha                               |           | ~         | *           |
| *               |            | gated, type XII, alphapolypeptide /DB_XREF=gi:7657541 /UG=Hs.186877 sodium channel, voltage-gated, type XII, alpha polypeptide /FL=gb:AF109737.1 |           | *         | ).          |
| *               |            | gated, type XII, alphapolypeptide /DB_XREF=gi:7657541 /UG=Hs.186877 sodium channel, voltage-gated, type XII, alpha                               |           | *         |             |
| *               |            | gated, type XII, alphapolypeptide /DB_XREF=gi:7657541 /UG=Hs.186877 sodium channel, voltage-gated, type XII, alpha polypeptide /FL=gb:AF109737.1 |           |           |             |

|                    |          | ng to Figure 19 - Coronary Artery I | 70 70 40 40              | 11.                         | h                           |
|--------------------|----------|-------------------------------------|--------------------------|-----------------------------|-----------------------------|
| Gene<br>Identifier | p-value  | Description                         | Gene<br>Accession<br>No. | Unig ne<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 220905_at          | 0.038535 | gb:NM_025007.1 /DEF=Homo            | NM 025007                | 1101                        | 110.                        |
|                    | 2.0000-0 | sapiens hypothetical protein        | · 41 = 17 1 1 1 1 1 1 1  |                             |                             |
|                    | *        | FLJ13501 (FLJ13501), mRNA.          | •                        |                             |                             |
| •                  |          | /FEA=mRNA /GEN=FLJ13501             |                          |                             | i .                         |
| ,                  | İ        | /PROD=hypothetical protein          | •                        | 0.00                        | Ì                           |
|                    | 1        | FLJ13501                            |                          |                             |                             |
| *                  |          | /DB_XREF=gi:13376524                |                          | 4                           |                             |
| •                  | · ·      | /UG=Hs.287576 hypothetical          |                          |                             |                             |
| 001                | ł ·      | protein FLJ13501                    |                          |                             | 1                           |
|                    | }        |                                     |                          |                             |                             |
| 220040 -4          | 0.000040 | /FL=gb:NM_025007.1                  | NIM ODE 442              | <del></del>                 | ND 070446                   |
| 220918_at          | 0.026842 | gb:NM_025143.1 /DEF=Homo            | NM_025143                |                             | NP_079419                   |
|                    |          | sapiens hypothetical protein        |                          | ,                           | ٠,                          |
|                    |          | FLJ20856 (FLJ20856), mRNA.          |                          | `                           |                             |
|                    |          | /FEA=mRNA /GEN=FLJ20856             |                          | ->(-                        |                             |
|                    | *        | /PROD=hypothetical protein          |                          |                             | }                           |
| · . · · · :        |          | FLJ20856                            |                          |                             | <b>\</b> •                  |
|                    |          | /DB_XREF=gi:13376728                |                          |                             |                             |
|                    | l        | /UG=Hs.288916 hypothetical          |                          |                             |                             |
|                    |          | protein FLJ20856                    | 1_                       |                             |                             |
|                    |          | /FL=gb:NM_025143.1                  |                          | 100                         | <u> </u>                    |
| 220925_at          | 0.018023 | gb:NM_021929.1 /DEF=Homo            | NM_021929                |                             | NP_068748                   |
| ,                  |          | sapiens hypothetical protein        |                          |                             | *                           |
|                    |          | FLJ21613 similar to rat corneal     |                          |                             | *                           |
| *                  |          | wound healing related protein       |                          |                             | 1                           |
| 2                  |          | (FLJ21613), mRNA. /FEA=mRNA         |                          | ÷                           |                             |
|                    |          | /GEN=FLJ21613                       |                          |                             |                             |
|                    | ĺ        | /PROD=hypothetical protein          | -X-                      | * *                         |                             |
|                    | 1.       | FLJ21613 similar to ratcorneal      | }                        | ., .                        |                             |
|                    |          | wound healing related protein       |                          |                             |                             |
|                    | 31       | /DB_XREF=gi:11345463                |                          | · .                         |                             |
| • 9                |          | /UG=Hs.300952 hypothetical          |                          | ,                           | ł                           |
|                    |          | protein FLJ21613 similar to rat     |                          |                             | ļ                           |
|                    |          | corneal wound healing related       |                          |                             |                             |
| tr -               | ł        | protein /FL=gb:NM_021929.1          |                          |                             |                             |
| 220940_at          | 0.025284 |                                     | NM 025190                | <del> </del>                | NP 079466                   |
| 2200#0_at          | 0.02020  | sapiens KIAA1641 protein            | 14141_020100             |                             | _0/0/0                      |
| 7                  | [ ·      | (KIAA1641), mRNA. /FEA=mRNA         | -                        |                             |                             |
| •.0                |          | //GEN=KIAA1641                      | 1 .                      | 1                           |                             |
| ,                  |          | /PROD=hypothetical protein          | ļ.,                      | 1.                          |                             |
|                    | 1        |                                     | · ·                      |                             | 1                           |
|                    |          | FLJ21281                            | . /                      | }                           | V                           |
| i "                |          | /DB_XREF=gi:13449272                |                          |                             |                             |
| •                  |          | //UG=Hs.44566 KIAA1641 protein      |                          | ļ                           |                             |
|                    | <u> </u> | /FL=gb:NM_025190.1                  | A 30 4                   | <u> </u>                    | <u> </u>                    |

|             |            | ng to Figure 19 - Coronary Artery I |               |              |                                       |
|-------------|------------|-------------------------------------|---------------|--------------|---------------------------------------|
| Gene        | p-value    | Description                         | Gene          | Unigene      | Prot in                               |
| ld ntifier  |            |                                     | Accession     | Accession    | Accession                             |
|             |            | *                                   | No            | No.          | No.                                   |
| 220941 s at | 0.034721   | gb:NM_017447.1 /DEF=Homo            | NM_017447     |              | NP_059143                             |
|             | 3.30111.   | sapiens hypothetical protein        | <del></del> . |              |                                       |
|             |            | LOC54149 (YG81), mRNA.              |               | - 33         | *                                     |
|             |            |                                     | *             | , (c)        | [                                     |
|             |            | /FEA=mRNA /GEN=YG81                 |               |              | ,                                     |
| •           |            | /PROD=hypothetical protein          | * =           |              | -                                     |
|             | · .        | LOC54149                            |               | * -          | ł                                     |
|             |            | /DB_XREF=gi:8394546                 |               | E            | ·                                     |
| v ·         |            | /UG=Hs.49391 hypothetical           |               | *            | 1                                     |
|             |            | protein LOC54149                    | ,             |              | <u> </u>                              |
|             | -          | /FL=gb:NM_017447.1                  |               |              | · · · · · · · · · · · · · · · · · · · |
| 220942_x at | 0.034721   | gb:NM_014367.1 /DEF=Homo            | NM 014367     |              | NP_055182                             |
|             | - 1        | sapiens hypothetical protein,       |               | ·· .         |                                       |
|             |            | estradiol-induced (E2IG5),          |               | ì            | 1                                     |
| ×           | 30         | mRNA. /FEA=mRNA                     |               |              |                                       |
| *           | 7          | /GEN=E2IG5 /PROD=hypothetical       | *             |              | > .                                   |
|             |            |                                     | •             | · · · · · ·  |                                       |
|             |            | protein, estradiol-induced          |               |              |                                       |
|             |            | /DB_XREF=gi:7657049                 |               |              |                                       |
| ٠,          |            | /UG=Hs.5243 hypothetical            |               |              |                                       |
|             |            | protein, estradiol-induced          | ŧ .           |              |                                       |
|             |            | /FL=gb:AF191020.1                   |               |              |                                       |
|             |            | gb:NM_014367.1                      |               |              | . '                                   |
|             | ·•         |                                     |               |              |                                       |
| 220966_x_at | 0.026842   | gb:NM_030978.1 /DEF=Homo            | NM_030978     |              | NP 112240                             |
|             |            | sapiens hypothetical protein        |               |              |                                       |
|             |            | similar to actin related protein    |               |              |                                       |
|             |            | 23 complex, subunit 5               |               | 1            | 1                                     |
| ,           |            | (MGC3038), mRNA. /FEA=mRNA          |               | J            |                                       |
|             | •          | /GEN=MGC3038                        | 1             |              |                                       |
|             | ·          |                                     | ŀ             |              |                                       |
|             |            | /PROD=hypothetical protein          | ]             |              | 1                                     |
|             |            | similar to actin relatedprotein 23  | {             |              |                                       |
|             |            | complex, subunit 5                  | · ·           |              | ]                                     |
|             |            | /DB_XREF=gi:13569955                | ,             |              |                                       |
|             |            | /FL=gb:NM_030978.1                  |               | 1            |                                       |
| 220969_s_at | 0.042057   | gb:NM_030892.1 /DEF=Homo            | NM_030892     |              |                                       |
|             |            | sapiens hypothetical protein        |               |              |                                       |
|             |            | FLJ11786 (FLJ11786), mRNA.          |               |              |                                       |
| - 10        |            | /FEA=mRNA /GEN=FLJ11786             |               |              |                                       |
|             |            | /PROD=hypothetical protein          |               | 1            |                                       |
| *           |            | FLJ11786                            |               |              |                                       |
|             |            | /DB XREF=gi:13569855                | } .           | 1            | {                                     |
|             | l. •       |                                     |               |              |                                       |
| 221027      | 0.046740   | /FL=gb:NM_030892.1                  | NIM 020024    | <del> </del> | ND 440440                             |
| 221027_s_at | j 0.046749 | gb:NM_030821.1 /DEF=Homo            | NM_030821     |              | NP_110448                             |
|             |            | sapiens group XII secreted          |               |              |                                       |
| , ,         |            | phospholipase A2 (PLA2G12),         | · ·           |              |                                       |
|             |            | mRNA. /FEA=mRNA                     |               |              |                                       |
| 1           | 1          | /GEN=PLA2G12 /PROD=group            |               | 1            | ,                                     |
|             | **         | XII secreted phospholipase A2       | *             |              |                                       |
| i           |            |                                     | 1             | 1            | 1                                     |
|             |            | /DB_XREF=gi:13540619                |               |              | 1                                     |

|             |           | ig to Figure 19 - Coronary Artery I |              |           | Du-1      |
|-------------|-----------|-------------------------------------|--------------|-----------|-----------|
| Gene        | p-value   | Description                         | Gene .       | Unigene   | Protein   |
| ldentifier  |           | -                                   | Accession    | Accession | Accession |
|             |           |                                     | No.          | No.       | No.       |
| 221080 s at | 0.034721  | gb:NM 024898.1 /DEF=Homo            | NM_024898    |           | NP_079174 |
|             | 1. 0.20   | sapiens hypothetical protein        |              |           |           |
| 6.1         |           | FLJ22757 (FLJ22757), mRNA.          | -1 (         |           |           |
|             |           | /FEA=mRNA /GEN=FLJ22757             |              |           |           |
|             |           |                                     |              |           |           |
|             |           | /PROD=hypothetical protein          | •            |           | - X-      |
| 7           | (         | FLJ22757                            |              |           |           |
|             |           | /DB_XREF=gi:13376352                |              |           |           |
|             |           | /UG=Hs.236449 hypothetical          |              | * -       |           |
|             |           | protein FLJ22757                    |              |           |           |
|             |           | /FL=gb:NM_024898.1                  |              |           |           |
| 221090_s_at | 0.018023  | gb:NM_018233.1 /DEF=Homo            | NM 018233    |           | NP_060703 |
|             | ,5.5.,5.  | sapiens hypothetical protein        | -            | -         |           |
|             |           | FLJ10826 (FLJ10826), mRNA.          | . 1          | Į.        | w *       |
|             |           | /FEA=mRNA /GEN=FLJ10826             |              |           |           |
|             | . *       |                                     | <u>}</u> .   |           | . *       |
|             |           | /PROD=hypothetical protein          |              |           |           |
|             |           | FLJ10826 /DB_XREF=gi:8922693        |              |           |           |
|             |           | /UG=Hs 24809 hypothetical           |              |           |           |
|             |           | protein FLJ10826                    |              |           |           |
|             |           | /FL=gb:NM_018233.1                  |              |           |           |
| . –         | }         |                                     | 1            |           | ·         |
| 221203 s at | 0.025284  | gb:NM_018023.2 /DEF=Homo            | NM 018023    | T         | NP 060493 |
| a.          | , 0.02020 | sapiens hypothetical protein        |              | ]         |           |
|             |           | FLJ10201 (FLJ10201), mRNA.          |              |           | ٥.        |
|             | i         |                                     |              |           | ·         |
| ·           | +         | /FEA=mRNA /GEN=FLJ10201             |              |           |           |
|             |           | /PROD=hypothetical protein          |              |           |           |
|             |           | FLJ10201                            |              | ."        |           |
|             | -         | /DB_XREF=gi:13492976                | 8-           |           |           |
|             |           | /UG=Hs.318127 hypothetical          |              |           |           |
| 00          | 2.7       | protein FLJ10201                    | *            |           |           |
|             |           | /FL=gb:NM_018023.2                  |              | *         |           |
| 221211 s at | 0.034721  | gb:NM_020152.1 /DEF=Homo            | NM 020152    |           | NP 064537 |
| 221211_3_at | 0.004721  | sapiens c21orf7 form A-D            | 11111_020102 |           |           |
|             |           | • ·                                 |              |           |           |
|             |           | (C21orf7), mRNA. /FEA=mRNA          | 1            |           |           |
|             |           | /GEN=C21orf7 /PROD=c21orf7          |              |           |           |
|             |           | form A-D /DB_XREF=gi:9910145        |              |           |           |
| •           | 1.        | /UG=Hs.41267 c21orf7 form A-D       |              | *         |           |
|             |           | /FL=gb:AF269161.1                   |              | - ,       |           |
|             | *         | gb:NM_020152.1                      |              |           |           |
|             | 1         | -                                   |              |           |           |
| 221222 s at | 0.036254  | gb:NM_017860.1 /DEF=Homo            | NM_017860    |           | NP 060330 |
|             | 0.,000    | sapiens hypothetical protein        |              |           |           |
|             | ,         | FLJ20519 (FLJ20519), mRNA.          |              |           | ,         |
| • • •       | -         |                                     | W            |           | =         |
|             |           | /FEA=mRNA /GEN=FLJ20519             | 0 1)(1       |           | ·         |
| . * .       |           | /PROD=hypothetical protein          |              | 1         | 1         |
|             |           | FLJ20519 /DB_XREF=gi:8923488        | ,            |           |           |
|             | } ·.      | /UG=Hs.79457 hypothetical           | /            | -         |           |
| • • •       | ,         | protein FLJ20519                    |              |           |           |
|             | ,         | /FL=gb:NM_017860.1                  | .[           | 1         | 1         |
|             | l         | 3                                   |              | ļi        |           |
|             | 1         |                                     | .1           | L .       | 1         |

| Gene                                    | p-value    | ng to Figure 19 - Coronary Artery |              | Unicasa   | Duotoir  |
|---|------------|-----------------------------------|--------------|-----------|--|
|   | p-value    | Description                       | Gene         | Unigene   | Protein  |
| ldentifier                              |            | **                                | Accession    | Accession | Accession  |
|   |            |                                   | No.          | No.       | No.  |
| 221260_s_at                             | 0.045316   | gb:NM_030809.1 /DEF=Homo          | NM_030809    |           | NP_110436  |
|   |            | sapiens chromosome 12 open        |              |           |  |
|   | <b>l</b> : | reading frame 2 (C12orf2),        |              | i .       |  |
|   |            | mRNA. /FEA=mRNA                   |              | *         |  |
|   | ļ          | /GEN=C12orf2                      |              | 131       | <i>:</i>   |
|   |            | /PROD=chromosome 12 open          |              | * *       |  |
|   | · ·        | reading frame 2                   |              | (         | ĺ  |
|   |            | /DB XREF=gi:13540601              | ."           | {         | · .  |
|   |            | /FL=gb:NM_030809.1                |              |           | 1  |
| 221206 of                               | 0.025294   |                                   | NIM 019071   |           | ND 00404   |
| 221306_at                               | 0.025284   | gb:NM_018971.1 /DEF=Homo          | NM_018971    |           | NP_061844  |
|   | ł          | sapiens G protein-coupled         |              | ł         | }  |
| · : : : : : : : : : : : : : : : : : : : |            | receptor 27 (GPR27), mRNA.        |              |           | j .  |
|   | ]          | /FEA=CDS /GEN=GPR27               |              |           |  |
| • **.                                   |            | /PROD=super conserved             |              |           |  |
|   |            | receptor expressed in brain 1     |              |           | ł  |
| 25 1 6 1                                |            | /DB_XREF=gi:9506746               |              |           |  |
| , 1                                     |            | /UG=Hs.278283 G protein-          |              |           | 9=   |
|   |            | coupled receptor 27               | . :          |           | •  |
| * .                                     |            | /FL=gb:AB040799.1                 |              |           |  |
| 1 to 1 to 1 to 1                        |            | gb:NM 018971.1                    |              |           |  |
| 221419 s at                             | 0.046749   | gb:NM_013307.1 /DEF=Homo          | NM 013307    |           | <del>                                     </del> |
| 22 1110_0_u                             | 0.0 10710  | sapiens non-functional folate     | 11111_010007 |           | 1  |
|   | }          | binding protein (HSAF000381),     |              | }         |  |
|   | 1.         |                                   |              | F-5       |  |
|   |            | mRNA. /FEA=CDS                    | · ·          |           | . ()   |
|   |            | /GEN=HSAF000381 /PROD=non-        |              |           | : <u>=</u>                                       |
|   |            | functional folate binding protein |              |           |  |
|   |            | /DB_XREF=gi:7019412               |              |           | 1.   |
| •                                       | j.         | /FL=gb:NM_013307.1                |              |           |  |
|   |            |                                   |              |           |  |
| 221499_s_at                             | 0.018222   | Consensus includes                | AF008936     |           | NP_003754  |
| •                                       |            | gb:AK026970.1 /DEF=Homo           |              |           |  |
| -                                       |            | sapiens cDNA: FLJ23317 fis,       | *            |           |  |
| . "v                                    |            | clone HEP12062, highly similar    |              | T.        |  |
|   |            | to AF008936 Homo sapiens          | ·            |           |  |
|   | 1          | syntaxin-16B mRNA.                | · .          |           |  |
| 0                                       |            | /FEA=mRNA                         | ٠.           | .,        |  |
|   |            | /DB_XREF=gi:10439960              |              | 1         |  |
| •                                       |            | /UG=Hs.102178 syntaxin 16         |              |           |  |
|   |            |                                   |              |           |  |
| 221510                                  | 0.005004   | /FL=gb:AF008936.1                 | BC000000     |           | ND OCCAL   |
| 221518_s_at                             | 0.025284   | · ·                               | BC000226     |           | NP_06041   |
|   |            | gb:BE966019 /FEA=EST              |              |           |  |
|   |            | /DB_XREF=gi:11770993              | ,            |           |  |
|   | 3.5        | /DB_XREF=est:601659921R1          |              |           | ]  |
|   |            | /CLONE=IMAGE:3905741              |              |           |  |
|   |            | /UG=Hs.300700 hypothetical        | X-           |           | <b>(</b>   |
| * •                                     | 1          | protein FLJ20727                  | 1            |           | 0.4  |
|   |            | /FL=gb:BC000226.1                 |              |           |  |

|                    |          | ng to Figure 19 - Coronary Artery I |                          |                             |                       |
|--------------------|----------|-------------------------------------|--------------------------|-----------------------------|-----------------------|
| Gene<br>Identifier | p-value  | Description                         | Gene<br>Accession<br>No. | Unigene<br>Accession<br>N . | Prot in Accession No. |
| 221519_at          | 0.02008  | gb:AF281859.1 /DEF=Homo             | AF281859                 | 2 2 2 2                     | NP 071322             |
|                    | 0.0200   | sapiens dactylin mRNA,              | 20100                    |                             | _0, 1022              |
|                    |          | complete cds. /FEA=mRNA             |                          |                             |                       |
|                    |          | /PROD=dactylin                      |                          | 3.1                         |                       |
|                    |          |                                     |                          | 8 2                         |                       |
|                    |          | /DB_XREF=gi:10764487                |                          |                             | _                     |
| 1.                 |          | /UG=Hs.24307 split handfoot         |                          |                             |                       |
|                    |          | malformation (ectrodactyly) type    |                          | 1                           |                       |
|                    |          | 3 /FL=gb:AF281859.1                 |                          | 1                           |                       |
|                    |          | gb:NM_022039.1                      |                          |                             |                       |
| 221555_x_at        | 0.018222 | CDC14 cell division cycle 14        | AU145941                 | Hs.22116                    | NP_201589             |
| *                  |          | homolog B (S. cerevisiae)           | <u> </u>                 |                             |                       |
| 221559_s_at        | 0.034721 | gb:BC000229.1 /DEF=Homo             | BC000229                 |                             | NP_076944             |
|                    | *        | sapiens, clone MGC:2488,            | *                        | 1                           |                       |
| •                  | 1        | mRNA, complete cds.                 |                          | 1                           |                       |
|                    | *        | /FEA=mRNA /PROD=Unknown             |                          |                             |                       |
|                    | . 2      | (protein for MGC:2488)              | <b>]</b>                 |                             |                       |
|                    |          | /DB_XREF=gi:12652942                |                          |                             |                       |
|                    |          | /UG=Hs.267194 hypothetical          |                          |                             | *                     |
|                    |          | protein MGC2488                     | *                        | 4                           |                       |
|                    | 0.       |                                     |                          |                             |                       |
| 2245054            | 0.004704 | /FL=gb:BC000229.1                   | DCCCCCC                  | <del></del>                 | ND 057000             |
| 221565_s_at        | 0.034721 | gb:BC000039.1 /DEF=Homo             | BC000039                 |                             | NP_057000             |
|                    |          | sapiens, Similar to hypothetical    |                          |                             |                       |
| 8 1                | -        | protein, clone MGC:1824,            | 1.                       |                             | 2 1 1 1               |
| <i>.</i>           | į        | mRNA, complete cds.                 | *                        |                             |                       |
|                    | 1        | /FEA=mRNA /PROD=Similar to          |                          |                             | <u>{</u>              |
| ,                  |          | hypothetical protein                |                          |                             |                       |
|                    |          | /DB_XREF=gi:12652592                |                          | 1                           |                       |
|                    |          | /UG=Hs.241545 hypothetical          |                          | 0 *                         |                       |
|                    | [        | protein /FL=gb:BC000039.1           |                          | *                           |                       |
|                    |          | gb:NM_015916.1                      |                          | ***                         |                       |
| 221601 s at        | 0.049425 | regulator of Fas-induced apoptosis  | AI084226                 | Hs.58831                    | NP 005440             |
|                    |          |                                     |                          |                             |                       |
| 221675 s at        | 0.034721 | gb:AF195624.1 /DEF=Homo             | AF195624                 | <del> </del>                | NP 064629             |
| == 1010_3_at       | 0.007721 | sapiens                             | 1 100024                 |                             | 1.11 _004023          |
|                    |          | cholinephosphotransferase 1 beta    | <b>)</b> '               |                             |                       |
| ٤, .               |          |                                     |                          | - 0                         |                       |
| · · · · ·          | 1        | mRNA, complete cds.                 | . 9                      |                             |                       |
| a .                | 1        | /FEA=mRNA                           |                          |                             | - 10                  |
|                    |          | /PROD=cholinephosphotransferas      |                          |                             |                       |
| -                  |          | e 1 beta /DB_XREF=gi:9502012        | 1.00                     |                             | * *                   |
|                    |          | /UG=Hs.171889                       | *                        |                             | 1                     |
|                    |          | cholinephosphotransferase 1         | 12.                      |                             | 1.                    |
|                    | 1        | /FL=gb:AF195624.1                   | ***                      | 1                           |                       |
|                    | 1        |                                     | 8.                       |                             |                       |

|             |          | ng to Figure 19 - Coronary Artery   |                | 11-2-      | B            |
|-------------|----------|-------------------------------------|----------------|------------|--------------|
| Gene        | p-value  | Description                         | Gene           | Unigene    | Protein      |
| ldentifier  |          | •                                   | Accession      | Accession  | Accession    |
| * * *       |          |                                     | No             | No.        | No           |
| 221688_s_at | 0.025284 | gb:AL136913.1 /DEF=Homo             | AL136913       |            | NP_060755    |
| 7 7         |          | sapiens mRNA; cDNA                  | <u> </u>       |            | (- T         |
|             |          | DKFZp586L0118 (from clone           |                |            | a *          |
|             |          | DKFZp586L0118); complete cds.       | * '            | ·          |              |
|             | (14)     | /FEA=mRNA                           | 1              | * ×.       |              |
|             |          | · · · ·                             |                | 190        |              |
|             | **       | /GEN=DKFZp586L0118                  |                | *          |              |
|             |          | /PROD=hypothetical protein          |                |            | }            |
| · .         |          | /DB_XREF=gi:12053320                |                |            |              |
|             | *        | /UG=Hs.6118 hypothetical protein    | 10             |            |              |
|             | - 00     | FLJ10968 /FL=gb:AL136913.1          | }              | ÷          | •            |
|             |          |                                     |                |            |              |
| 221708_s_at | 0.036254 | gb:BC006214.1 /DEF=Homo             | BC006214       |            | NP_061141    |
|             |          | sapiens, clone MGC:999, mRNA,       |                |            |              |
|             | *        | complete cds. /FEA=mRNA             |                |            |              |
| •           |          | /PROD=Unknown (protein for          |                |            | , ,          |
|             |          | MGC:999)                            |                |            | 1            |
|             |          | /DB_XREF=gi:13623232                |                |            | * * *        |
|             |          | /FL=gb:BC006214.1                   | *              |            | - "          |
| 221742 at   | 0.026013 | DnaJ (Hsp40) homolog, subfamily     | BF037823       | Hs.9683    |              |
| 221142_at   | 0.020013 | C, member 3                         | 101 037023     | 113.9000   |              |
| 224750 04   | 0.024724 |                                     | DC035095       | Un 200266  | ND 000101    |
| 221750_at   | 0.034721 | 3-hydroxy-3-methylglutaryl-         | BG035985       | Hs.396266  | NP_002121    |
| 3.1         |          | Coenzyme A synthase 1 (soluble)     |                |            |              |
|             |          |                                     | 11 = 2 = 2 = 2 |            | (4)          |
| 221768_at   | 0.025284 | splicing factor proline/glutamine   | AV705803       | Hs.180610  | , ,          |
|             |          | rich (polypyrimidine tract binding  | }              |            | *            |
|             |          | protein associated)                 |                |            | <u> </u>     |
| 221821_s_at | 0.046749 | Consensus includes                  | AK022732       |            | NP_060292    |
|             |          | gb:AK022732.1 /DEF=Homo             |                |            |              |
|             |          | sapiens cDNA FLJ12670 fis,          |                | *          |              |
|             |          | clone NT2RM4002301.                 |                |            |              |
|             |          | /FEA=mRNA                           | ,              | -          |              |
|             |          | /DB_XREF=gi:10434303                |                |            |              |
| 100         |          | /UG=Hs.268189 hypothetical          |                | •          |              |
|             |          | protein FLJ20436                    | 1              |            |              |
| 221842 s at | 0.018023 | zinc finger protein 131 (clone pHZ- | BE972394       | Hs.78743   | <del> </del> |
| 221042_3_at | 0.010023 | 110)                                | DE312334       | 113.70743  |              |
| 221860_at   | 0.049022 | heterogeneous nuclear               | AL044078       | Hs.2730    | NP_001524    |
| 221000_at   | 0.010023 |                                     | ALU44070       | 118.2730   | 147_001924   |
| 004070 -4   | 0.040740 | ribonucleoprotein L                 | AVA/400045     | 11- 274255 | ND 000400    |
| 221873_at   | 0.046749 | zinc finger protein 143 (clone pHZ- | AW162015       | Hs 374355  | NP_003433    |
| 22.122.7    |          | [1)                                 |                |            |              |
| 221874_at   | 0.049425 | Consensus includes                  | AB037745       |            | 1            |
|             |          | gb:AB037745.1 /DEF=Homo             |                | :          |              |
|             | 1        | sapiens mRNA for KIAA1324           | .*             |            |              |
|             | [        | protein, partial cds. /FEA=mRNA     | · .            |            | <b>!</b>     |
|             | 7        | /GEN=KIAA1324                       | 1              | 1.         |              |
|             | 1        | /PROD=KIAA1324 protein              | , ,            |            |              |
| . Y .       | 1        | /DB_XREF=gi:7243028                 |                |            | ]            |
|             | Ĭ. *     | /UG=Hs.104696 KIAA1324              |                | v.         | 1            |
|             |          |                                     |                |            |              |

| Gene List Co       |          | ig to Figure 19 - Coronary Artery I   | Disease   |             |             |
|--------------------|----------|---------------------------------------|-----------|-------------|-------------|
| Gene               | p-value  | Description                           | Gene      | Unigene     | Protein     |
| Identifier         |          |                                       | Accession | Accession   | Accession   |
| •                  | 1        |                                       | No.       | No.         | No.         |
| 221957_at          | 0.034721 | pyruvate dehydrogenase kinase,        | BF939522  | Hs.193124   | NP_005382   |
|                    |          | isoenzyme 3                           |           |             |             |
| 221978_at          | 0.046749 | major histocompatibility complex,     | BE138825  | Hs.377850   | NP_061823   |
|                    |          | class I, F                            | ;,,,,,    | 110.077000  | -00.020     |
| 221985 at          | 0.025284 | hypothetical protein FLJ20059         | AW006750  | Hs.246875   | NP 060114   |
| 221986_s at        |          | hypothetical protein FLJ20059         | AW006750  | Hs.246875   | NP 060114   |
| 221989 at          |          | ribosomal protein L10                 | AW057781  | Hs.77091    | NP_006004   |
| 221992_at          |          | ESTs, Moderately similar to           | Al925734  | Hs.409134   | 141 000004  |
| 221332 <u>-</u> at | 0.000254 | nuclear pore complex interacting      | VI950124  | 1115.405154 | ,           |
|                    |          | protein [Homo sapiens] [H.sapiens]    |           | }           |             |
|                    |          | [protein [Homo sapiens] [H.sapiens]   |           |             | . **        |
| 222024             | 0.005004 | Carrage Strategy                      | A14000044 |             | ND 050040   |
| 222024_s_at        | 0.025284 | Consensus includes                    | AK022014  | }           | NP_658913   |
|                    |          | gb:AK022014.1 /DEF=Homo               |           |             |             |
| * 1                |          | sapiens cDNA FLJ11952 fis,            |           | 8-          |             |
|                    |          | clone HEMBB1000831, weakly            |           | ]           |             |
| 1.*                | +        | similar to Homo sapiens breast        |           |             |             |
|                    | 1.       | cancer nuclear receptor-binding       | ,         | Ì           | (           |
| 2                  | ł        | auxiliary protein (BRX) mRNA.         | }         | }           |             |
|                    | ·        | /FEA=mRNA                             |           |             | ·           |
| ,                  |          | /DB_XREF=gi:10433327                  |           | (           | <b>{</b>    |
|                    | Ì        | /UG=Hs.306619 Homo sapiens            |           | 1 2         | . 🔪         |
|                    | }        | cDNA FLJ11952 fis, clone              | 1         | <i>i</i>    | *           |
|                    |          | HEMBB1000831, weakly similar          |           |             |             |
| <u>}</u>           | 1        | to Homo sapiens breast cancer         |           |             | 1           |
| ,                  | }        | nuclear receptor-binding auxiliary    |           |             | ]           |
|                    |          | protein (BRX) mRNA                    |           |             | ·           |
| 222058 at          | 0.025284 | goliath protein                       | AW194818  | Hs.102737   | NP 060904   |
| 222064 s at        |          | hypothetical protein MGC2744          | AI093187  | Hs.317403   | NP 079543   |
| 222108 at          |          | Homo sapiens BAC clone GS1-           | AC004010  |             |             |
|                    |          | 99H8 from 7, complete sequence.       |           |             | [           |
|                    |          | i som i i som i i somprete soquenes.  |           |             |             |
| 222115_x_at        | 0.040064 | Consensus includes                    | BC003693  |             | NP_115958   |
| ZZZZ 1 10_X_ut     | 0.040004 | lgb:BC003693.1 /DEF=Homo              | 10000000  |             | 111 -110000 |
| •                  | <u>{</u> | sapiens, Similar to RIKEN cDNA        |           |             | ł ·         |
| }                  |          | 3930401K13 gene, clone                |           | )           | }           |
| *                  | 1        | IMAGE:3454556, mRNA, partial          |           |             |             |
|                    |          | cds. /FEA=mRNA /PROD=Similar          | : 8       | @           | į.          |
|                    |          | to RIKEN cDNA 3930401K13              |           | }           | ļ           |
| ,                  |          | · · · · · · · · · · · · · · · · · · · |           |             |             |
| ,                  |          | gene /DB_XREF=gi:13277567             |           | **          | 1           |
|                    | +        | /UG=Hs.90998 KIAA0128 protein;        | +         | 1           | 1.          |
|                    |          | septin 2                              | *         |             |             |
|                    |          |                                       |           |             |             |
| 222122_s_at        | 0.018023 | Tho2                                  | BG403671  | Hs.16411    |             |

|                    |              | ng to Figure 19 - Coronary Artery I |                   |                      |                      |
|--------------------|--------------|-------------------------------------|-------------------|----------------------|----------------------|
| Gene<br>Identifier | p-value      | Description                         | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
|                    |              |                                     | No.               | N .                  | No.                  |
| 222125 s at        | 0.046749     | Consensus includes                  | BC000580          | 13,                  | NP 808808            |
| T T T              |              | gb:BC000580.1 /DEF=Homo             |                   | 100                  | -                    |
|                    |              | sapiens, clone IMAGE:3162218,       |                   |                      | 4                    |
|                    |              | mRNA, partial cds. /FEA=mRNA        |                   | 1                    |                      |
| •                  |              |                                     |                   |                      |                      |
|                    | <b>[</b> .   | /PROD=Unknown (protein for          | }                 |                      | }                    |
| *                  | i            | IMAGE:3162218)                      | }                 |                      |                      |
|                    |              | /DB_XREF=gi:12653606                | }                 | 1)                   | }                    |
| · ·                | 1            | /UG=Hs.5014 hypothetical protein    |                   |                      |                      |
| , ,                |              | FLJ20262                            |                   | (* , *               |                      |
|                    |              |                                     |                   | <u> </u>             |                      |
| 222132_s_at        | 0.049425     | Consensus includes                  | AJ278150°         |                      | NP_060708            |
|                    |              | gb:AJ278150.1 /DEF=Homo             |                   | 3                    | }                    |
|                    | ł            | sapiens mRNA for putative lipid     |                   |                      | ]                    |
|                    |              | kinase. /FEA=mRNA                   |                   |                      | *                    |
| .*                 |              | /PROD=putative lipid kinase /       | <b>l</b>          |                      |                      |
|                    | 1            | /DB_XREF=gi:8250242                 |                   |                      |                      |
|                    |              | /UG=Hs.260238 hypothetical          |                   | ì                    |                      |
|                    | ľ            | protein FLJ10842                    |                   |                      |                      |
| 222140_s at        | 0.018973     | Consensus includes                  | AK021758          |                      | NP 057418            |
|                    | 0.010010     | gb:AK021758.1 /DEF=Homo             |                   |                      |                      |
| · 5                |              | sapiens cDNA FLJ11696 fis,          |                   |                      | ,                    |
| * *                | - 1          | clone HEMBA1005029, highly          |                   |                      |                      |
| * *                |              | similar to Homo sapiens CGI-13      | 1                 |                      |                      |
|                    |              | protein mRNA. /FEA=mRNA             |                   |                      |                      |
|                    | ĺ.           | L.                                  |                   | -/-                  |                      |
|                    | i            | /DB_XREF=gi:10433004                |                   |                      |                      |
|                    |              | /UG=Hs.16085 putative G-protein     | · ·               |                      |                      |
|                    |              | coupled receptor                    |                   |                      |                      |
|                    | 12-2         |                                     |                   | <del> </del>         | <del> </del>         |
| 222158_s_at        | 0.018222     | Consensus includes                  | AF229834          |                      | NP_057160            |
|                    |              | gb:AF229834.1 /DEF=Homo             |                   | }                    |                      |
|                    |              | sapiens apoptosis-related protein   |                   | · ·                  | ľ                    |
|                    |              | PNAS-4 (PNAS-4) mRNA, partial       |                   | ,                    |                      |
| 0,0                |              | cds. /FEA=mRNA /GEN=PNAS-4          |                   |                      |                      |
|                    | 1.           | /PROD=apoptosis-related protein     | -                 |                      |                      |
|                    |              | PNAS-4 /DB_XREF=gi:7229639          | , ,               |                      |                      |
|                    |              | /UG=Hs.42409 CGI-146 protein        | 1                 |                      | 100                  |
|                    | 1            |                                     | 1                 |                      |                      |
|                    |              |                                     |                   |                      |                      |
| 222182 s at        | 0.046749     | CCR4-NOT transcription complex,     | BG105204          | Hs.239720            | NP_055330            |
|                    | -, , , , , , | subunit 2                           | ]                 |                      |                      |
| <u></u>            | L            | Jaubuilli Z                         | L                 | <u> </u>             | L                    |

|               |          | ng to Figure 19 - Coronary Artery  |              |            |            |
|---------------|----------|------------------------------------|--------------|------------|------------|
| Gene          | p-value  | Description                        | Gene         | Unigene    | Protein    |
| ldentifier    | 3.7      |                                    | Accession    | Accession  | Accession  |
| · ·           |          |                                    | No.          | No.        | No.        |
| 222239_s_at   | 0.034721 | Consensus includes                 | AL117626     |            | NP_036273  |
|               |          | gb:AL117626.1 /DEF=Homo            |              | ••• • 55 • |            |
|               |          | sapiens mRNA; cDNA                 |              | . (        |            |
|               |          | DKFZp434B105 (from clone           | }            |            |            |
|               |          | DKFZp434B105); partial cds.        | }            | <b>}</b> . | . 16000    |
|               | •        | /FEA=mRNA                          |              | •          | }          |
|               |          | /GEN=DKFZp434B105                  | <u>;</u>     | 1          | ]          |
| •             | *        | /PROD=hypothetical protein         |              |            |            |
| *             |          | /DB_XREF=gi:5912207                |              |            |            |
| · .           |          | /UG=Hs.58570 deleted in cancer     |              | -          |            |
|               |          | 1; RNA helicase HDBDICE1           |              | {          | *          |
|               | ,        | THE RELIGIOUS CONTROLL             |              |            |            |
| 222252 v. at. | 0.040064 | Consensus includes                 | AK023354     |            | NP 064516  |
| 222202_x_at   | 0.040004 | gb:AK023354.1 /DEF=Homo            | AN023534     |            | 145_004510 |
|               |          | 19                                 |              |            |            |
|               |          | sapiens cDNA FLJ13292 fis,         |              |            | 1          |
|               |          | clone OVARC1001180, weakly         |              |            |            |
|               | *        | similar to UBIQUITIN-LIKE          |              |            |            |
|               |          | PROTEIN DSK2. /FEA=mRNA            | *            |            |            |
|               |          | /DB_XREF=gi:10435253               | * 1          | ,          |            |
|               |          | /UG=Hs.283739 ataxin-1 ubiquitin   |              |            |            |
|               |          | like interacting protein           |              |            |            |
| 222282_at     | 0.046749 | AV761453 MDS Homo sapiens          | AV761453     |            |            |
| 1.            | •        | cDNA clone MDSBZA03 5', mRNA       |              |            |            |
| <u> </u>      |          | sequence.                          |              |            |            |
| 222316_at     | 0.025284 | ESTs                               | AW973253     | Hs.292689  |            |
| 222366_at     | 0.046749 | ESTs                               | W86781       | Hs.293736  |            |
| 222369 at     | 0.035763 | ESTs, Moderately similar to        | AW971254     | Hs.178433  |            |
| . –           |          | hypothetical protein FLJ20489      | 1.0          | ·          | 2          |
|               |          | [Homo sapiens] [H.sapiens]         |              | *          | 1          |
| 222380 s at   | 0.034721 |                                    | AI907083     | Hs.124620  | :          |
| 32541_at      |          | protein phosphatase 3 (formerly    | NM 005605    | Hs.75206   | NP 005596  |
|               | 0.0.01   | 2B), catalytic subunit, gamma      | 11111_000000 | 113.70200  | 111 _00000 |
|               |          | isoform (calcineurin A gamma).     | 1            |            |            |
| 35201_at      | 0.046740 | heterogeneous nuclear              | NM_001533    | Hs.2730    | ND 001524  |
| 55201_at      | 0.040749 |                                    | [MM_00 [939  | IDS.2730   | NP_001524  |
| 25674 at      | 0.020254 | ribonucleoprotein L                | NIM 004500   | 115 004    | ND 004544  |
| 35671_at      | 0.036254 | general transcription factor IIIC, | NM_001520    | Hs.331     | NP_001511  |
| 05005         | 0.040000 | polypeptide 1, alpha 220kDa        | 1000000      | h          |            |
| 35685_at      |          | ring finger protein 1              | NM_002931    | Hs.35384   | NP_002922  |
| 36545_s_at    |          | KIAA0542 gene product              | AB011114     | Hs.62209   |            |
| 38398_at      | 0.046749 | MAP-kinase activating death        | AB002356     | Hs.82548   | NP_569832  |
|               |          | domain                             |              |            | <u> </u>   |
| 396_f_at      |          | erythropoietin receptor            | NM_000121    | Hs.127826  | NP_000112  |
| 39650_s_at    |          | KIAA0435 gene product              | NM_014801    | Hs.31438   | NP_055616  |
| 41113_at      | 0.049425 | hypothetical protein AF447587      | Al871396     | Hs.101414  |            |
| 44673_at      | 0.018023 | sialoadhesin                       | N53555       | Hs.31869   | NP_075556  |
| 45572_s_at    |          | golgi associated, gamma adaptin    | AW009695     | Hs.238296  | NP_037497  |
| <del></del>   |          | ear containing, ARF binding        |              |            |            |
|               | ł ·      | protein 1                          |              |            | l          |

|   |   | ng to Figure 19 - Coronary Artery              | 7. 7. 7.     |   | D. C.        |
|---|---|--|--------------|---|--------------|
| Gene                                    | p-value                                 | Description                                    | Gene         | Unigene   | Protein      |
| ld ntifi r                              | •                                       |  | Accession    | Accession   | Accession    |
| * | <u> </u>                                |  | No.          | No.   | No:          |
| 46665_at                                | 0.034721                                | sema domain, immunoglobulin                    | AI949392     | Hs.7188   | NP_060259    |
|   |   | domain (lg), transmembrane                     | · - · · ·    | * 1.10 * |              |
|   |   | domain (TM) and short                          |              |   |              |
|   |   | cytoplasmic domain, (semaphorin)               |              |   | ĺ .          |
|   |   | 4C   | *            | *   |              |
| 47069_at                                | 0.034721                                | Rho GTPase activating protein 8                | AA533284     | Hs.102336   | NP_851852    |
| 47560_at                                | 0.02008                                 | hypothetical protein FLJ11939                  | AI525402     | Hs.94229  | NP_078955    |
| 50277_at                                | 0.046749                                | golgi associated, gamma adaptin                | AW001443     | Hs.238296   | NP_037497    |
| •                                       |   | ear containing, ARF binding                    |              |   |              |
|   |   | protein 1                                      | 8-           |   |              |
| 51200 at                                | 0.034721                                | hypothetical protein FLJ20850                  | A1744084     | Hs.30783  | NP 060437    |
| 51228_at                                |   | ESTs, Weakly similar to RNA                    | N36928       | Hs.33540  |              |
| · 7 :                                   |   | binding motif protein 12; putative             |              |   | · ·          |
|   |   | brain nuclearly-targeted protein               |              |   |              |
| *                                       | ***                                     | [Homo sapiens] [H.sapiens]                     | *            |   | · .          |
| 51774 s at                              | 0.046749                                | ESTs, Moderately similar to                    | AW014299     | Hs.237946   |              |
|   |   | hypothetical protein FLJ20489                  |              |   | *            |
|   |   | [Homo sapiens] [H sapiens]                     |              |   |              |
| 52940 at                                | 0.038017                                |  | AA085764     | Hs.11809  | NP 068577    |
| 57539 at                                |   | hypothetical protein FLJ14972                  | AA535065     | Hs.11900  | NP 115916    |
| 57715 at                                |   | hypothetical protein LOC51063                  | W72694       | Hs.241545   | NP 057000    |
| 63825_at                                |   | chromosome 11 open reading                     | AI557319     | Hs.5258   | NP_008917    |
|   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | frame2   |              | 1.9.0   |              |
| 64064 at                                | 0.046749                                | immune associated nucleotide 4                 | Al435089     | Hs.26194  | NP_060854    |
|   | 0.0.0.                                  | like 1 (mouse)                                 |              |   |              |
| 64474_g_at                              | 0.019292                                | hypothetical protein FLJ22127                  | AA203219     | Hs.59457  | NP 073612    |
| 74694 s at                              |   | hypothetical protein FLJ23282                  | AA907940     | Hs.170253   | NP 079092    |
| 91816_f_at                              | <del></del>                             | Homo sapiens mRNA for OK/SW-                   | C18318       | Hs.123469   |              |
| 01010_i_at                              | 0.020201                                | CL.4, complete cds                             | 010010       | 113.120400  |              |
| 91952_at                                | 0.026013                                | hypothetical protein BC002926                  | Al363375     | Hs.298553   | NP 612362    |
| AFFX-BioC-5                             |   | J04423 E coli bioC protein (-5                 | J04423       | 113.200000  | 111 _012002  |
| ДГ I Х-Біоо-э                           | 1 0.0-07-3                              | and -3 represent transcript                    | 1004425      | Ĭ   |              |
|   |   | regions 5 prime and 3 prime                    |              |   |              |
|   | •                                       | respectively)                                  |              |   | ·            |
| AFEY HUMG                               | 0.046740                                | glyceraldehyde-3-phosphate                     | NM_002046    | Hs.169476   | NP 00203     |
| ALI A-LIÇIVIÇ                           | 1 0.040749                              |  | 14141_002040 | 113.103470  | 147_00203    |
| AEEY MO702                              | 0.019022                                | dehydrogenase<br>Human 28S ribosomal RNA gene, | M27830       | <del> </del>  | <del> </del> |
| VI_LV-IAIS ( 09                         | 9 0.0 10023                             |  | INIZ / 630.  |   | 1            |
| AFEV -0 H-0                             | 0.02040                                 | complete cds.                                  | M11167       | <u> </u>  |              |
| AFFX-r2-Hs2                             | a 0.03018                               | Human 28S ribosomal RNA gene.                  | INTERIOR     |   |              |
| AFEV OU S                               | 0.005700                                | 1 D D D D D D D D D D D D D D D D D D D        | 1444467      | -   |              |
| AFFX-12-HS2                             | <b>4</b> U.U35/63                       | Human 28S ribosomal RNA gene.                  | M11167       | 1   |              |

|              |   | ng to Figure 19 - Coronary Artery Description | Gene      | Unigene   | Protein   |
|--------------|---|---|-----------|-----------|-----------|
| ldentifier   |   | 4   | Acc ssion | Accession | Accession |
|              |   | (*  | No.       | No.       | No.       |
| AFFX-r2-P1-c | 0.025284                                | Bacteriophage /REF=X03453                     | X03453    |           |           |
|              |   | /DEF=Bacteriophage R1 cre                     |           | - %       |           |
|              | * · · · · · · · · · · · · · · · · · · · | recombinase protein                           |           | 1-        |           |
| • . •        |   | corresponding to nucleotides 581              |           |           |           |
|              | \$5.                                    | 1001 of X03453 /LEN=1058 (-5                  |           |           | n. 0      |
|              |   | and -3 represent transcript                   |           | -         |           |
|              |   | regions 5 prime and 3 prime                   |           |           |           |
| •            |   | respectively)                                 |           |           |           |

| 31           |             | TABLE 3M                              |                       | <u> </u>                    | ļ                           |
|--------------|-------------|---------------------------------------|-----------------------|-----------------------------|-----------------------------|
| <u>Gen s</u> | Correspo    | nding To Diff rentially Expr ssed Gen | es in Figure 20 -     |                             |                             |
| Spot         | p-value     | Description                           | Gene<br>Accession No. | Unigene<br>Accession<br>No. | Prot in<br>Acc ssion<br>No. |
| 7.7          | 0.022106    | vacuolar protein sorting 28 (yeast)   | NM 016208             | Hs.339697                   | NP_057292                   |
|              | 0.022100    | (VPS28), mRNA /cds=(62,727)           | 14141_010200          | 113.000007                  | 141 _00/ 202                |
|              |             | /gb=NM_016208 /gi=7705884             |                       | *                           |                             |
| -            |             | /ug=Hs.339697 /len=928                |                       |                             |                             |
| ·4           | 0.040751    | tetraspan 3 (TSPAN-3), mRNA           | NM 005724             | Hs.100090                   | NP 005715                   |
| -            | 0.0-0707    | /cds=(218,979) /gb=NM_005724          | 14141_000724          | 113.100000                  | _0007 10.                   |
|              | ,           | /gi≑21264581 /ug=Hs.100090            |                       |                             | ( ·                         |
|              |             | //len=1842                            |                       |                             |                             |
| 14           | 0.011238    | mRNA for KIAA0638 protein, partial    | AB014538              | Hs.432813                   |                             |
| . 17         | 0.011230    | cds. /cds=(87,4241) /gb=AB014538      | AD0 14330             | 113.432013                  |                             |
|              |             | /gi=20521112 /ug=Hs.432813            |                       |                             |                             |
|              |             | /len=5449                             | •                     |                             | 1                           |
| 15           | 0.010277    | 603041572T1 NIH MGC 116 cDNA          | BI517954              | Hs.398211                   |                             |
| . 13         | 0.010277    | clone IMAGE:5163112 3', mRNA          | DI317304              | 113.530211                  |                             |
|              |             | sequence /clone=IMAGE:5163112         | , .                   |                             |                             |
|              |             | /clone_end=3' /gb=BI517954            | ·                     |                             | 1                           |
|              |             | /gi=15342746 /ug=Hs.398211 /len=964   |                       | 191                         | #                           |
|              |             | /g =15542146/ug=115.596211/lell=964   |                       | ·                           |                             |
| 25           | 0.002565    | sialyltransferase SThM (sthm)         | U14550                | ·                           | NP 006447                   |
| 28           |             | 602184410T1 NIH_MGC_42 cDNA           | BF569051              | Hs.352114                   | NF_000447                   |
| 20           | 0.031302    | clone IMAGE:4300347 3', mRNA          | DI 309031             | 115.552114                  |                             |
|              |             | sequence /clone=IMAGE:4300347         |                       |                             | 1                           |
|              |             | /clone_end=3' /gb=BF569051            |                       |                             |                             |
|              |             | /gi=11642431 /ug=Hs.352114            |                       |                             |                             |
|              |             | //len=1899                            | , ,                   | j                           | ļ                           |
| 37           | 0.002602    | thyroid hormone receptor-associated   | NM 005119             | Hs.108319                   | NP_005110                   |
| 37           | 0.002002    | protein, 150 kDa subunit (TRAP150),   | 14141 000119          | 1115.100319                 | 145-003110                  |
|              |             | mRNA /cds≈(203,3070)                  | · .                   |                             |                             |
|              |             | /gb=NM_005119 /gi=4827039             |                       |                             | -                           |
|              | ļ. ·        | /ug=Hs.108319 /len=3618               |                       |                             |                             |
| 49           | 0.032636    | B cell RAG associated protein         | NM 014863             | Hs.6079                     | NP_056976                   |
| 75           | 0.032030    | (GALNAC4S-6ST), mRNA                  | 14111_014000          | 113.0075                    | 1111 _000070                |
|              |             | /cds=(582,2267) /gb=NM_014863         |                       |                             | <b>\$</b>                   |
|              | 0           | /gi=7662195 /ug=Hs.6079 /len=4712     |                       |                             |                             |
| 95           | 8 37E 04    | Kreisler (mouse) maf-related leucine  | NM 005461             |                             | NP 005452                   |
| 33           | 0.5712-04   | zipper homolog (KRML)                 | 141/1-002401          | 3                           |                             |
|              | ĺ           | (≑MAFB/Kreisler basic region/leucine  | ( ·                   |                             |                             |
|              |             | zipper transcription factor (MAFB))   | *                     | ]                           | ·                           |
|              |             | Length = 3071                         |                       |                             |                             |
| 98           | 0.012276    | mitochondrion, complete genome        | NC 001807             | <del> </del>                |                             |
| 104          | <del></del> | proteasome (prosome, macropain)       | NM 002818             | Hs.433810                   | NP 002809                   |
| 104          | 0.002093    | activator subunit 2 (PA28 beta)       | 14141_002010          | 11 13.4330 10               | _002009                     |
|              | ,           |                                       |                       | · Ý-                        | - ( -                       |
|              | }           | (PSME2), mRNA /cds=(66,785)           |                       | 1                           |                             |
|              |             | /gb=NM_002818 /gi=4506236             |                       | *                           |                             |
| •            |             | /ug=Hs.433810 /len=828                |                       | <u> </u>                    |                             |

| Genes | Correspo | nding To Differentially Expressed Gen  | es in Figure 20 -     | RA                          |                             |
|-------|----------|--|-----------------------|-----------------------------|-----------------------------|
|       | p-value  | Description  | Gene<br>Accession No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 141   | 1.76E-04 | mel transforming oncogene (derived<br>from cell line NK14)- RAB8 (MEL),<br>mRNA /cds=(77,700) /gb=NM_005370<br>/gi=16933566 /ug=Hs.5947 /len=2048                  | NM_005370             | Hs.5947                     | NP_005361                   |
| 158   | 0.015895 | CD36 antigen (collagen type I receptor, thrombospondin receptor) (CD36), mRNA /cds=(133,1551) /gb=NM_000072 /gi=4557418 /ug=Hs.75613 /len=1820                     | NM_000072             | Hs.75613                    | NP_000063                   |
| 178   | 0.003213 | zinc finger protein 161 (ZNF161),<br>mRNA /cds=(42,1592) /gb=NM_007146<br>/gi=6005967 /ug=Hs.223754 /len=2306  | NM_007146             | Hs.223754                   | NP_009077                   |
| 179   | 0.009388 | ubiquitin specific protease 9, X<br>chromosome (fat facets-like<br>Drosophila) (USP9X), transcript variant<br>1, mRNA /cds=(60,7751)<br>/gb=NM_004652 /gi=11641424 | NM_004652             | Hs.77578                    | NP_068706                   |
| 194   | 0.009388 | /ug=Hs.77578 /len=8171<br>hypothetical protein FLJ33215<br>(FLJ33215), mRNA /cds=(118,1626)<br>/gb=NM_148894 /gi=22507398  | NM_148894             | Hs.205442                   | NP_683692                   |
| 196   | 0.004825 | /ug=Hs.205442 /len=2610<br>integrin-binding sialoprotein (bone<br>sialoprotein, bone sialoprotein II)<br>(IBSP), mRNA /cds=(143,1096)                              | NM_004967             | Hs.49215                    | NP_004958                   |
| 206   | 0.032636 | /gb=NM_004967 /gi=13259536<br>/ug=Hs.49215 /len=1108<br>calmodulin 2 (phosphorylase kinase,<br>delta) (CALM2), mRNA /cds=(69,518)<br>/gb=NM_001743 /gi=20428653    | NM_001743             | Hs.425808                   | NP_001734                   |
| 210   | 0.002337 | /ug=Hs.425808 /len=1128 protein tyrosine phosphatase type IVA, member 1 (PTP4A1), mRNA /cds=(650,1171) /gb=NM_003463 /gi=17986281 /ug=Hs.227777 /len=4394          | NM_003463             | Hs.227777                   | NP_003454                   |
| 221   | 1        | zinc finger protein 271 (ZNF271),<br>mRNA /cds=(710,1981)<br>/gb=NM_006629 /gi=24586660<br>/ug=Hs.367734 /len=2195   | NM_006629             | Hs.367734                   | NP_006620                   |
| 228   | 0.002337 | KIAA0182 mRNA, complete cds.<br>/cds=(1,3475) /gb=D80004 /gi=1136423<br>/ug=Hs.75909 /len=7133   | D80004                | Hs.75909                    | *                           |

|         |               | nding To Differentially Expressed Gen   |                       |             |                        |
|---------|---------------|---|-----------------------|-------------|------------------------|
| Spot    | p-value       | Description   | Gene                  | Unigene     | Protein                |
|         |               |   | Accession No.         | Accession   | Accession              |
|         |               |   |                       | No.         | No.                    |
| 259     | 0.015895      | ornithine decarboxylase antizyme  | NM 015878             | Hs.223014   | NP 680479              |
|         | 3.0.000       | inhibitor (OAZIN), transcript variant 1,  |                       | ,,0.220011  |                        |
|         |               | mRNA /cds=(721,2067)  |                       |             |                        |
|         |               |   |                       | 7 3         |                        |
|         |               | /gb=NM_015878 /gi=22538416  |                       | ļ·          |                        |
| A 4 4 4 |               | /ug=Hs.223014 /len=2882   |                       |             | 112 122 1112           |
| 261     | 0.017288      | serine (or cysteine) proteinase inhibitor,  | NM_004155             | Hs.104879   | NP_004146              |
|         |               | clade B (ovalbumin), member 9   | * (%                  |             |                        |
|         | 1             | (SERPINB9), mRNA /cds=(93,1223)   |                       |             |                        |
| 30      |               | /gb=NM_004155 /gi=19923258  | - 7                   | · ·         | 1.                     |
|         |               | /ug=Hs.104879 /len=4130   | *                     |             |                        |
|         |               |   |                       |             |                        |
| 277     | 0.002096      | reticulon 3 (RTN3), mRNA  | NM 006054             | Hs.252831   | NP 006045              |
|         | *             | /cds=(125,835) /gb=NM_006054  |                       |             | _                      |
|         |               | /gi=5174654 /ug=Hs.252831 /len=2524   | 2)                    |             | 1 2                    |
|         | *             | /gi-01/4004/dg=/13.202001/icii-2024   |                       |             |                        |
| 279     | 0.005324      | calcium/calmodulin-dependent serine   | NM 003688             | Hs.151469   | NP 003679              |
| 413     | 0.000324      |   | 14141_003000          | 113.13 1408 | IME ONSOLA             |
|         | }             | protein kinase (MAGUK family) (CASK),   | gi.                   |             | }                      |
| ٠ '     |               | mRNA /cds=(28,2793) /gb=NM_003688   |                       |             |                        |
|         |               | /gi=4502566 /ug=Hs:151469 /len=3122   |                       |             |                        |
|         | *             |   |                       |             |                        |
| 281     | 0.043799      | 16.7Kd protein (LOC51142), mRNA   | NM_016139             | Hs.180859   | NP_057223              |
| i. '    | 1             | /cds=(82,537) /gb=NM_016139   |                       |             |                        |
|         | •             | /gi=7705850 /ug=Hs.180859 /len=841  |                       |             |                        |
| 282     | 0.001501      | protein phosphatase 1, regulatory   | NM 005398             | Hs.303090   | NP 005389              |
|         |               | (inhibitor) subunit 3C (PPP1R3C),   | 12                    |             |                        |
| •       | 1             | mRNA /cds=(58,1011) /gb=NM_005398   |                       | ·           |                        |
|         |               | /gi=21314622 /ug=Hs.303090  | 0                     |             | }                      |
|         |               | /len=2524   |                       |             |                        |
| 202     | 0.000463      | syntaxin 7 (STX7), mRNA   | NM 003569             | Hs.8906     | NP_003560              |
| 283     | 0.000463      |   | 14141_003269          | IU2.0900    | INP_003560             |
|         |               | /cds=(80,865) /gb=NM_003569   |                       |             |                        |
|         | 20.5          | /gi=4507294 /ug=Hs.8906 /len=1614   |                       |             |                        |
| 284     | 0.014599      | translin-associated factor X (TSNAX),   | NM_005999             | Hs.96247    | NP_005990              |
|         |               | mRNA /cds=(159,1031)  |                       |             |                        |
|         |               | /gb=NM_005999 /gi=20302159  | - ·                   |             |                        |
| -       |               | /ug=Hs.96247 /len=2667  |                       | l           |                        |
| 290     | 0.030249      | Niemann-Pick disease, type C2   | NM_006432             | Hs.433222   | NP_006423              |
|         |               | (NPC2), mRNA /cds=(116,571)   |                       |             | - ·                    |
|         |               | /gb=NM_006432 /gi=20149580  |                       | j .         |                        |
|         |               | /ug=Hs.433222 /len=929  |                       |             |                        |
|         | 10,000,000    | origin recognition complex, subunit 2-  | NM_006190             | Hs.41694    | NP 006181              |
| 302     | I II IIIIXEEE | IONGIN TECOGNICON CONTIDIES, SUDUNIL Z-   | טפו טטט ואוגון        | 113.41034   | 1.41 -000 101          |
| 302     | 0.008566      |   |                       |             |                        |
| 302     | 0.008566      | like (yeast) (ORC2L), mRNA  |                       | į.          |                        |
| 302     | 0.008566      | like (yeast) (ORC2L), mRNA<br>/cds=(215,1948) /gb=NM_006190   |                       |             |                        |
| 302     | 0.008566      | like (yeast) (ORC2L), mRNA  |                       |             |                        |
| . (     |               | like (yeast) (ORC2L), mRNA<br>/cds=(215,1948) /gb=NM_006190<br>/gi=21359879 /ug=Hs.41694 /len=2815  |                       |             |                        |
| 311     | 0.012276      | like (yeast) (ORC2L), mRNA<br>/cds=(215,1948) /gb=NM_006190<br>/gi=21359879 /ug=Hs.41694 /len=2815<br>Ankhzn mRNA,  | AB011370              |             | NP_033801              |
|         | 0.012276      | like (yeast) (ORC2L), mRNA<br>/cds=(215,1948) /gb=NM_006190<br>/gi=21359879 /ug=Hs.41694 /len=2815  | AB011370<br>NM_004673 | Hs.241519   | NP_033801<br>NP_004664 |
| 311     | 0.012276      | like (yeast) (ORC2L), mRNA<br>/cds=(215,1948) /gb=NM_006190<br>/gi=21359879 /ug=Hs.41694 /len=2815<br>Ankhzn mRNA,<br>angiopoietin-like 1 (ANGPTL1), mRNA |                       | Hs.241519   |                        |
| 311     | 0.012276      | like (yeast) (ORC2L), mRNA<br>/cds=(215,1948) /gb=NM_006190<br>/gi=21359879 /ug=Hs.41694 /len=2815<br>Ankhzn mRNA,  |                       | Hs.241519   |                        |

|      |           | nding To Differentially Expr ssed Gen   |               |                    | <del></del>         |
|------|-----------|---|---------------|--------------------|---------------------|
| Spot | p-valu    | D scription                             | Gene          | Unigene            | Protein             |
|      |           | 100                                     | Accession No. | Accession          | Accession           |
|      |           |   | . '           | No.                | No.                 |
| 320  | 0.035177  | hypothetical protein DKFZp564K142       | NM 032121     | Hs.323562          | NP 115497           |
|      | . Salah S | similar to implantation-associated      |               |                    |                     |
|      |           | protein (DKFZp564K142), mRNA            |               | -                  |                     |
| -    |           | /cds=(30,1037) /gb=NM_032121            |               |                    |                     |
| •    |           |   |               | - 3:               |                     |
|      |           | /gi=14149774 /ug=Hs.323562              |               |                    |                     |
|      |           | /len=2241                               |               |                    |                     |
| 321  | 0.007107  | serologically defined breast cancer     | NM_015966     | Hs.169992          | NP_057050           |
|      |           | antigen 84 (SDBCAG84), mRNA             |               | •                  |                     |
|      |           | /cds=(28,1179) /gb=NM_015966            |               |                    |                     |
| ٠, . |           | /gi=7706277 /ug=Hs.169992 /len=1337     |               |                    | ŀ :                 |
|      |           |   |               |                    |                     |
| 336  | 0.03788   | mRNA for KIAA0570 protein, partial      | AB011142      | Hs.180948          |                     |
|      | ]         | cds. /cds=(480,10718) /gb=AB011142      |               |                    |                     |
|      |           | /gi=20521084 /ug=Hs.180948              |               |                    |                     |
| 1. 1 |           |   | - 2           |                    |                     |
| 227  | 0.00300   | /len=11269                              | NIM 04COC4    | 115 40 45 40       | ND: 0574.45         |
| 337  | 0.00168   | yippee protein (CGI-127), mRNA          | NM_016061     | Hs.184542          | NP_057145           |
|      |           | /cds=(126,491) /gb=NM_016061            |               |                    |                     |
| *    |           | /gi=7706340 /ug=Hs.184542 /len=2183     |               |                    | .001                |
|      |           |   |               | ** X               |                     |
| 354  | 0.011238  | stromal cell-derived factor 2 (SDF2),   | NM_006923     | Hs.118684          | NP 008854           |
|      |           | mRNA /cds=(40,675) /gb=NM_006923        |               |                    |                     |
|      |           | /gi=14141194 /ug=Hs.118684              |               |                    |                     |
|      |           | /len=1075                               |               |                    |                     |
| 356  | 0.015805  | RAB21, member RAS oncogene family       | NM 014999     | Hs.184627          | NP_055814           |
| 300  | 0.013693  |   | 14999         | ПS. 10402 <i>1</i> | 1145_055614         |
|      | 200       | (RAB21), mRNA /cds=(256,933)            |               |                    |                     |
|      |           | /gb=NM_014999 /gi=7661921               |               |                    | * .                 |
|      |           | /ug=Hs.184627 /len=2630                 |               |                    |                     |
| - 4  | 40        | *                                       | *             |                    |                     |
| 358  | 0.003947  | hypothetical protein FLJ35613           | NM_173653     | Hs.30022           | NP_775924           |
|      |           | (FLJ35613), mRNA /cds=(126,2063)        |               | *                  |                     |
|      | 10        | /gb=NM_173653 /gi=27734934              | *             |                    |                     |
| ٠.,  |           | /ug=Hs.30022 /len=3568                  |               | - <i>j</i>         |                     |
| 359  | 0.001062  | plakophilin 2=X97675 plakophilin 2b     | NP 004563     |                    | 7 3 2 2 1 1 7 7 7 7 |
| 500  | 3.001002  | (ORF 38%)                               |               |                    |                     |
| 364  | 0.020240  | microphthalmia-associated transcription | NIM OOO249    | Uc 166017          | NB 000220           |
| 304  | 0.030249  |   | NIVI_UUU248   | Hs.166017          | NP_000239           |
|      | ,         | factor (MITF), mRNA /cds=(121,1380)     |               |                    |                     |
|      |           | /gb=NM_000248 /gi=4557754               | *             |                    |                     |
|      |           | /ug=Hs.166017 /len=1788                 | - 0           |                    |                     |
| •    | `         |   |               |                    |                     |
| 369  | 0.002602  | mRNA for KIAA1147 protein, partial      | AB032973      | Hs.233044          |                     |
|      |           | cds. /cds=(1,570) /gb=AB032973          |               |                    |                     |
|      |           | /gi=6330032 /ug=Hs.233044 /len=6496     |               |                    |                     |
|      | 2         |   |               |                    |                     |
| 270  | 0.005305  | porhovementidose E (CDE) DNA            | NIM 004072    | Ho 75260           | ND 004964           |
| 370  | 0.005325  | carboxypeptidase E (CPE), mRNA          | NM_001873     | Hs.75360           | NP_001864           |
|      | ٠.        | /cds=(291,1721) /gb=NM_001873           |               |                    |                     |
|      |           | /gi=4503008 /ug=Hs.75360 /len=2443      | 1             | I.                 | 4                   |

|          |          | nding To Diff rentially Expr ssed Gen |   |                      | Dankat            |
|----------|----------|---------------------------------------|---|----------------------|-------------------|
| Spot     | p-value  | Description                           | Gene Accession No.                      | Unigene<br>Accession | Protein Accession |
|          | '        | *                                     | Accession No.                           | No.                  | No.               |
| 371      | 0.02801  | ecotropic viral integration site 2A   | NM 014210                               | Hs.70499             | NP_055025         |
|          |          | (EVI2A), mRNA /cds=(220,918)          |   |                      |                   |
|          |          | /gb=NM_014210 /gi=7657074             |   |                      | 10                |
|          | -        | /ug=Hs.70499 /len=1563                |   |                      |                   |
| 390      | 0.023945 | UDP-galactose transporter related     | NM 005827                               | Hs.154073            | NP 005818         |
|          |          | (UGTREL1), mRNA /cds=(88,1056)        | <del>-</del>                            |                      |                   |
| ٠., ١    |          | /gb=NM_005827 /gi=5032212             |   |                      |                   |
| •        |          | /ug=Hs.154073 /len=1186               |   |                      |                   |
| 393      | 0.040751 | microsomal epoxide hydrolase          | AF253417                                |                      |                   |
|          | ¢ .      | (EPHX1) gene, complete cds            | * |                      |                   |
| 395      | 0.025911 | cysteine and histidine-rich domain    | NM 012124                               | Hs.22857             | NP_036256         |
|          |          | (CHORD)-containing, zinc binding      | 7                                       |                      | _                 |
|          |          | protein 1 (CHORDC1), mRNA             |   |                      |                   |
|          |          | /cds=(85,1083) /gb=NM_012124          |   |                      |                   |
|          |          | /gi=6912303 /ug=Hs.22857 /len=2058    | V                                       |                      |                   |
| 396      | 0.010277 | hypothetical protein FLJ20445         | NM 017824                               | Hs.343748            | NP 060294         |
|          |          | (FLJ20445), mRNA /cds=(293,1129)      | _ · ·                                   |                      |                   |
|          | 1        | /gb=NM 017824 /gi=19923500            |   |                      | * .               |
| -        |          | /ug=Hs.343748 /len=3896               |   | *                    |                   |
| 400      | 0.007107 | leukemia inhibitory factor receptor   | NM 002310                               | Hs.2798              | NP 002301         |
|          |          | (LIFR), mRNA /cds=(154,3447)          | _                                       |                      |                   |
|          |          | /gb=NM_002310 /gi=6042197             |   | •                    |                   |
| <u>~</u> | . 2      | /ug=Hs.2798 /len=5252                 |   |                      | s. ·              |
| 403      | 0.001339 | cathepsin S (CTSS), mRNA              | NM 004079                               | Hs.181301            | NP 004070         |
|          |          | /cds=(134,1129) /gb=NM_004079         | _                                       |                      | <del>-</del>      |
| 7        |          | /gi=23110961 /ug=Hs.181301            | · ·                                     |                      |                   |
|          |          | /len=4100                             |   | A st                 |                   |
| 409      | 0.020388 | S-phase kinase-associated protein 1A  | NM_006930                               | Hs.171626            | NP 733779         |
|          |          | (p19A) (SKP1A), transcript variant 1, | _                                       | 1                    | _                 |
|          |          | mRNA /cds=(140,622) /gb=NM_006930     |   |                      |                   |
|          |          | /gi=25777710 /ug=Hs.171626            |   |                      |                   |
|          |          | /len=2172                             |   |                      |                   |
| 417      | 0.02801  | LATS, large tumor suppressor, 2       | NM_014572                               | Hs.432314            | NP_055387         |
| ٠.       |          | (Drosophila) (LATS2), mRNA            |   |                      | -                 |
|          |          | /cds=(375,3641) /gb=NM_014572         | •-                                      | · · · ·              | -                 |
| : ''     | ,        | /gi=18959199 /ug=Hs.432314            |   |                      |                   |
|          |          | /len=4098                             |   | `                    |                   |
| 425      | 0.030249 | myeloid cell nuclear differentiation  | NM_002432                               | Hs.153837            | NP_002423         |
| ٠.       |          | antigen (MNDA), mRNA                  | _                                       |                      |                   |
|          |          | /cds=(201,1424) /gb=NM_002432         |   |                      | ×                 |
|          | *        | /gi=4505226 /úg=Hs.153837 /len=1670   |   | - (-                 | ,                 |
|          |          |                                       | *                                       |                      | 4.                |
| 427      | 0.002893 | hypothetical protein FLJ20508         | NM_017850                               | Hs.272673            | NP_060320         |
|          |          | (FLJ20508), mRNA /cds=(191,802)       |   |                      |                   |
|          |          | /gb=NM_017850 /gi=8923468             | 76                                      | -                    |                   |
|          |          | /ug=Hs.272673 /len=2376               |   | 1.                   | 1                 |

| enes        | Correspoi | nding To Differentially Expr ssed G n                     | es in Figure 20 - |            |                                       |
|-------------|-----------|---|-------------------|------------|---------------------------------------|
|             | p-value   | Description   | G ne              | Unigene    | Prot in                               |
|             |           | Ty .  | Accession No.     | Accession  | Acc ssion                             |
|             |           |   |                   | No. 6      | No.                                   |
| 428         | 0.040751  | golgi complex associated protein 1,                       | NM 022735         | Hs.6831    | NP 073572                             |
|             |           | 60kDa (GOCAP1), mRNA                                      |                   |            |                                       |
|             |           | /cds=(56,1642) /gb=NM 022735                              | - A               | <i>i</i> . |                                       |
| . "         |           | /gi=15826851 /ug=Hs.6831 /len=3598                        |                   |            |                                       |
| 422         | 0.044229  |   | AL080234          | Hs.8078    | 18                                    |
| 432         | 0.041230  | DKFZp586L081 (from clone                                  | ALUOUZ34          | FIS.0070   |                                       |
|             |           | DKFZp586L081) /cds=UNKNOWN                                |                   |            |                                       |
|             |           | /gb=AL080234 /gi=5262727                                  |                   | ·          | · •                                   |
|             |           | /ug=Hs.8078 /len=2159                                     |                   | 77722222   |                                       |
| 434         | 0.011238  | phosphoglycerate kinase 1 (PGK1),                         | NM_000291         | Hs.78771   | NP_000282                             |
|             |           | mRNA /cds=(70,1323) /gb=NM_000291                         |                   |            |                                       |
| *           | 1.11      | /gi=22095338 /ug=Hs.78771 /len=2338                       |                   | 4          |                                       |
|             |           |   |                   |            |                                       |
| 437         | 0.015895  | TCAAP1D11790 Pediatric acute                              | BM144590          | Hs.425539  |                                       |
|             |           | myelogenous leukemia cell (FAB M1)                        |                   |            |                                       |
|             |           | Baylor-HGSC project=TCAA cDNA                             |                   | - 10       | į.                                    |
| _ ·         |           | clone TCAAP1179, mRNA sequence                            |                   | <i>i</i>   |                                       |
|             |           | /clone=TCAAP1179, MKNA sequence                           | *                 |            | . "                                   |
| ٠           |           |   |                   | [          | *                                     |
| ٠,          |           | /gi=17161827 /ug=Hs.425539 /len=178                       | A 4 .             | * *        |                                       |
|             |           | ,   |                   |            | v.2 - 2-2-2-2-7                       |
| 452         | 0.047031  | aldehyde dehydrogenase 2 family                           | NM_000690         | Hs.195432  | NP_000681                             |
|             | y -       | (mitochondrial) (ALDH2), nuclear gene                     | *                 | 7          |                                       |
|             |           | encoding mitochondrial protein, mRNA                      |                   |            |                                       |
|             |           | /cds=(442,1995) /gb=NM_000690                             | *, '              | *          |                                       |
|             |           | /gi=25777731 /ug=Hs.195432                                |                   |            |                                       |
|             |           | /len=2445   |                   |            | ^                                     |
| 466         | 0.001878  | activity-dependent neuroprotector                         | NM 015339         | Hs.3657    | NP_056154                             |
| 40 <u>0</u> | 0.001070  | (ADNP), mRNA /cds=(346,3654)                              | 11111_010000      | 110.0007   |                                       |
|             |           | /gb=NM 015339 /gi=12229216                                |                   | 1          | . , .                                 |
|             | 9         |   | 10                |            |                                       |
| 470         | 0.017004  | /ug=Hs.3657 /len=4713                                     | 1114 000040       | 11 400 470 | ND 000007                             |
| 478         | 0.047031  | glyceraldehyde-3-phosphate                                | NM_002046         | Hs.169476  | NP_002037                             |
| 9           |           | dehydrogenase (GAPD), mRNA                                | *                 |            |                                       |
|             |           | /cds=(76,1083) /gb=NM_002046                              | * 17              |            |                                       |
|             |           | /gi=7669491 /ug=Hs.169476 /len=1283                       |                   | .0         |                                       |
| · _ \       |           |   |                   |            |                                       |
| 479         | 0.023117  | SNF-1 related kinase (SNRK), mRNA                         | NM 017719         | Hs.79025   | NP_060189                             |
| -           |           | /cds=(642,2939) /gb=NM_017719                             | <del></del> '     | *          |                                       |
|             |           | /gi=21361642 /ug=Hs.79025 /len=5519                       |                   |            | j. 0                                  |
|             | ļ .       | - 5. 2.00 to 12.70g 110.70020 710.11=0010                 | * * *             |            | * *                                   |
| 484 -       | 0.005001  | troponin T1, skeletal, slow (TNNT1),                      | NM 003283         | Hs.73980   | NP_003274                             |
| 404         | 0.000331  |   | _                 | 113.7 9300 | _0002/4                               |
|             | :         | mRNA /cds=(149,904) /gb=NM_003283                         | ,                 |            | · · · · · · · · · · · · · · · · · · · |
|             |           | /gi=21359857 /ug=Hs,73980 /len=1018                       |                   | ] .        | 1                                     |
|             | <u></u>   |   |                   | 1          |                                       |
| 485         | 6.56E-04  | GNAS complex locus (GNAS),                                | NM_080425         | Hs.374523  | NP_536351                             |
|             |           | transcript variant 3, mRNA                                |                   |            |                                       |
|             |           | L   | 1                 | 1          | I                                     |
|             |           | /cds=(1,2730) /gb=NM_080425                               |                   | 1          |                                       |
|             |           | //cds=(1,2/30)/gb=NM_080425<br>//gi=18426897/ug=Hs.374523 |                   |            |                                       |

|                |          | nding To Differentially Expressed Gen       |                      |                             | Darket                                       |
|----------------|----------|---|----------------------|-----------------------------|--|
| Spot           | p-value  | Description                                 | Gen<br>Acc ssion No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No.                  |
| 487            | 3 10F-04 | proteasome (prosome, macropain) 26S         | NM 153822            | Hs.148495                   | NP_722544                                    |
| 407            | 3.13104  | subunit, non-ATPase, 4 (PSMD4),             | 100022               | 113.140433                  | 141 _122044                                  |
|                |          | transcript variant 2, mRNA                  |                      | Ĭ.                          |  |
|                |          |   |                      |                             |  |
|                |          | /cds=(63,869) /gb=NM_153822                 |                      |                             |  |
|                |          | /gi=25121957 /ug=Hs.148495                  |                      | •                           |  |
| 400            | 0.010070 | /len=1508                                   | 1114 000704          | 11 70474                    | ND 000750                                    |
| 489            | 0.013076 | tyrosine 3-monooxygenase/tryptophan         | NM_006761            | Hs.79474                    | NP_006752                                    |
| · . · :        | *        | 5-monooxygenase activation protein,         |                      |                             |  |
|                |          | epsilon polypeptide (YWHAE), mRNA           |                      | · .                         |  |
|                | 1        | /cds=(80,847) /gb=NM_006761                 |                      | -                           |  |
|                | * .      | /gi=21328449 /ug=Hs.79474 /len=1776         | 0 v                  |                             |  |
| *              |          |   |                      |                             | u.   |
|                |          |   |                      |                             |  |
| 499            | 0.030075 | troponin C2, fast (TNNC2), mRNA             | NM_003279            | Hs.182421                   | NP_003270                                    |
| -              | . A.     | /cds=(65,547) /gb=NM_003279                 |                      |                             |  |
|                | 4.0      | /gi=4507616 /ug=Hs.182421 /len=677          |                      |                             |  |
| 510            | 0.006665 | uroporphyrinogen decarboxylase              | NM_000374            | Hs.78601                    | NP 000365                                    |
| ,              |          | (UROD), mRNA /cds=(19,1122)                 |                      |                             |  |
|                |          | /gb=NM_000374 /gi=9845521                   |                      |                             | - **   |
| :              |          | /ug=Hs.78601 /len=1296                      |                      |                             |  |
| 513            | 0.004330 | phosphohistidine phosphatase                | NM 014172            | Hs.297214                   | NP 054891                                    |
| 513            | 0.004339 |   | 14172                | IDS.291214                  | NF_054691                                    |
|                |          | (PHP14), mRNA /cds=(334,711)                |                      |                             |  |
|                | 0        | /gb=NM_014172 /gi=24475860                  |                      |                             |  |
|                |          | /ug=Hs.297214 /len=903                      |                      |                             | 110 600445                                   |
| 517            | 6.36E-04 | galactokinase 1 (GALK1), mRNA               | NM_000154            | Hs.92357                    | NP_000145                                    |
| *              | [ ·      | /cds=(64,1242) /gb=NM_000154                | * - *                | · :                         |  |
| ·              |          | /gi=4503894 /ug=Hs.92357 /len=1361          |                      |                             | ••   |
| 519            | 0.012792 | splicing factor (45kD) (SPF45), mRNA        | NM_032905            | Hs.107001                   | NP_116294                                    |
| •              |          | /cds=(148,1353) /gb=NM_032905               | *                    | , (±1)                      | -  |
|                |          | /gi=14249677 /ug=Hs.107001                  | )                    | t                           |  |
|                | · ·      | /len=1566                                   |                      |                             |  |
| 526            | 0.026485 | GDP dissociation inhibitor 1 (GDI1),        | NM 001493            | Hs.74576                    | NP_001484                                    |
| , <del>-</del> |          | mRNA /cds=(81,1424) /gb=NM 001493           | 1 -                  |                             |  |
|                |          | /gi=4503970 /ug=Hs.74576 /len=2225          |                      | <u> </u>                    |  |
|                |          | 100007074g 113:14070716H 2220               |                      |                             |  |
| 532            | 2 325 04 | ferritin, light polypeptide (FTL), mRNA     | NM_000146            | Hs.430150                   | NP 000137                                    |
| عردن           | 2.521-04 | /cds=(189,716) /gb=NM_000146                | 14141_000140         | 113.400100                  | 141 _000157                                  |
|                | -        | /gi=20149497 /ug=Hs.430150 /len=878         |                      |                             |  |
|                |          | /gi=2014949/ /ug=HS.430150/lefi=6/6         |                      | 1,                          | 1  |
|                | 0.000500 |   | NINA 000404          | 110 200055                  | ND 000475                                    |
| 533            | 0.003563 | hemoglobin, gamma G (HBG2), mRNA            | NIVI_000184          | Hs.386655                   | NP_000175                                    |
|                | ,        | /cds=(54,497) /gb=NM_000184                 | . "                  |                             | _ =  |
|                |          | /gi=28302132 /ug=Hs.386655 /len=583         | •                    |                             |  |
|                |          |   |                      |                             | <u>                                     </u> |
| 534            | 0.038043 | eukaryotic translation initiation factor 3, | NM_003751            | Hs.57783                    | NP_003742                                    |
|                |          | subunit 9 eta, 116kDa (EIF3S9), mRNA        |                      |                             |  |
|                |          | /cds=(54,2675) /gb=NM_003751                |                      | Ē. *                        |  |
|                |          | /gi=4503526 /ug=Hs.57783 /len=2995          |                      |                             | 1  |
|                |          |   | 1                    | I                           | 1  |

|      |                               | nding To Differentially Expr ssed Gen                            |               |            |             |
|------|-------------------------------|--|---------------|------------|-------------|
| Spot | p-value                       | Description  | Gen           | Unigene    | Protein     |
|      | , :                           |  | Acc ssion No. | Accession  | Accession   |
|      | -                             |  |               | No.        | No.         |
| .554 | 0.033876                      | ribosomal protein L29 (RPL29), mRNA                              | NM_000992     | Hs.430207  | NP 000983   |
| /    | · · · · · · · · · · · · · · · | /cds=(95,574) /gb=NM 000992                                      |               |            |             |
| -    |                               | /gi=17105395 /ug=Hs.430207 /len=737                              |               |            | •           |
|      |                               | · 9. · · · · · · · · · · · · · · · · · ·                         |               |            |             |
| 563  | 0.004349                      | activating transcription factor 4 (tax-                          | NM_001675     | Hs.181243  | NP_001666   |
| ٠,   |                               | responsive enhancer element B67)                                 |               |            |             |
|      |                               | (ATF4), mRNA /cds=(882,1937)                                     |               |            | -           |
|      |                               | /gb=NM 001675 /gi=4502264  |               |            | ļ           |
|      | · · ·                         | /ug=Hs.181243 /len=2015  |               | *          |             |
| 565  | 0.040754                      | topoisomerase (DNA) III alpha                                    | NM 004618     | Hs.91175   | NP_004609   |
| 303  | 0.040751                      |  | 14141_004010  | ns.91175   | NP_004609   |
|      |                               | (TOP3A), mRNA /cds=(230,3235)                                    |               | 111        |             |
| 741  | - 1                           | /gb=NM_004618 /gi=20143947                                       |               |            | 8 .         |
|      | 0.040000                      | /ug=Hs.91175 /len=3807   | NA COROS      | * .        |             |
| 566  |                               | jun D proto-oncogene (JUND)                                      | NM_005354     |            | 1.6 2022    |
| 567  | 0.005898                      | coactosin-like 1 (Dictyostelium)                                 | NM_021149     | Hs.289092  | NP_066972   |
|      |                               | (COTL1), mRNA /cds=(150,578)                                     |               | T . "      |             |
| • •  |                               | /gb=NM_021149 /gi=23510452                                       |               |            |             |
|      | \$ \$ A \$ \$ \$              | /ug=Hs.289092 /len=1850  |               |            |             |
| 570  |                               | cycA gene for cyclin A   | X68303        |            |             |
| 573  | 0.00168                       | ancient ubiquitous protein 1 (AUP1),                             | NM_012103     | Hs.173736  | NP_036235   |
|      |                               | mRNA /cds=(69,1499) /gb=NM_012103                                |               |            | 6           |
|      |                               | /gi=6912259 /ug=Hs.173736 /len=1664                              |               | e . '      | 17.47       |
|      |                               |  |               | · ·        |             |
| 574  | 0.002297                      | mRNA for KIAA1274 protein, partial                               | AB033100      | Hs.300646  |             |
|      |                               | cds. /cds=(265,2850) /gb=AB033100                                |               |            |             |
|      |                               | /gi=20521819 /ug=Hs.300646                                       |               |            |             |
|      |                               | /len=4569  |               |            | •           |
| 595  | 0.02236                       | NS1-associated protein 1 (NSAP1),                                | NM_006372     | Hs.373499  | NP 006363   |
|      |                               | mRNA /cds=(526,2397)   | *:            |            | <u> </u>    |
| -    |                               | /gb=NM 006372 /gi=23397426                                       |               | i i        |             |
|      |                               | /ug=Hs.373499 /len=2932  |               | 3          |             |
| 596  | 0.001549                      | tubulin, alpha 3 (TUBA3), mRNA                                   | NM_006009     | Hs.433394  | NP_006000   |
|      | 0.00,0.0                      | /cds=(100,1455) /gb=NM_006009                                    |               |            |             |
|      |                               | /gi=17986282 /ug=Hs.433394                                       |               |            |             |
|      |                               | /len=1677  | ,             | ,          |             |
| 600  | 0.007171                      | fascin 1, actin-bundling protein                                 | NM 003088     | Hs.118400  | NP_003079   |
| OOO  | 0.007171                      | (Strongylocentrotus purpuratus)                                  | NIVI_003000   | 113.110400 | 14, _003073 |
| ,    |                               | (Strongylocentrolus purpuratus)<br>(FSCN1), mRNA /cds=(112,1593) |               | * * *      |             |
|      |                               |  |               |            |             |
|      | *                             | /gb=NM_003088 /gi=4507114  |               |            |             |
| 600  | 0.00000                       | /ug=Hs.118400 /len=2767  | NIA 044077    | Uo 2005    | ND OFFCOO   |
| 602  | 0.029005                      | helicase with zinc finger domain                                 | NM_014877     | Hs.3085    | NP_055692   |
|      | 2                             | (HELZ), mRNA /cds=(146,5974)                                     | -             | 1          |             |
|      |                               | /gb=NM_014877 /gi=7661883  |               |            |             |
|      |                               | /ug=Hs:3085 /len=6274  |               | <u> </u>   |             |
| 613  | 0.018784                      | PEF protein with a long N-terminal                               | NM_012392     | Hs.241531  | NP_036524   |
|      |                               | hydrophobic domain (peflin) (PEF),                               | * .           |            |             |
|      | 0.00                          | mRNA /cds=(13,867) /gb=NM_012392                                 | ·             | ,          |             |
|      |                               | /gi=6912581 /ug=Hs.241531 /len=1641                              |               |            |             |
|      |                               |  |               |            |             |

| Genes | Correspoi | nding To Differentially Expr ssed Gen   | es in Figure 20 -                       | RA                   |                      |
|-------|-----------|---|---|----------------------|----------------------|
|       | p-value   | Description                             | Gene<br>Accession No.                   | Unigene<br>Acc ssion | Protein<br>Accession |
|       |           | *                                       | 2                                       | No.                  | No.                  |
| 625   | 0.020388  | fragile X mental retardation 1 (FMR1),  | NM_002024                               | Hs.89764             | NP_002015            |
| × 1   | 1         | mRNA /cds=(220,2118)                    |   | مند نیند دری         |                      |
|       |           | /gb=NM_002024 /gi=4503764               | -,                                      | 8                    |                      |
| 30.0  |           | /ug=Hs.89764 /len=4362                  | *                                       | 1                    |                      |
| 629   | 0.014599  | nuclear cap binding protein subunit 1,  | NM_002486                               | Hs.89563             | NP_002477            |
|       |           | 80kDa (NCBP1), mRNA /cds=(31,2403)      |   |                      |                      |
|       |           | /gb=NM_002486 /gi=4505342               |   |                      | 1                    |
|       |           | /ug=Hs.89563 /len=2828                  |   | <b>]</b>             |                      |
| 633   | 0.040751  | A kinase (PRKA) anchor protein 13       | NM 007200                               | Hs.301946            | NP 658913            |
|       |           | (AKAP13), transcript variant 2, mRNA    |   |                      |                      |
| ٠.    |           | /cds=(214,8655) /gb=NM_007200           | *                                       |                      |                      |
|       |           | /gi=21493028 /ug=Hs.301946              | *                                       |                      |                      |
|       |           | /len=10156                              |   |                      |                      |
| 635   | 0.023945  | cDNA FLJ37956 fis, clone                | AK095275                                | Hs.170141            |                      |
| × 101 |           | CTONG2009527. /gb=AK095275              | * | 1                    |                      |
|       |           | /gi=21754500 /ug=Hs.170141              |   |                      |                      |
|       |           | /len=2753                               |   |                      | * * * * *            |
| 636   | 0.006463  | hypothetical protein FLJ14775           | NM 032837                               | Hs.334878            | NP_116226            |
|       |           | (FLJ14775), mRNA /cds=(172,534)         |   |                      | - ; · · · · ;        |
|       | -33       | /gb=NM_032837 /gi=14249549              | ř.                                      |                      |                      |
|       |           | /ug=Hs.334878 /len=2697                 |   |                      |                      |
| 640   | 0.007171  | adrenomedullin (ADM), mRNA              | NM 001124                               | Hs.394               | NP_001115            |
|       |           | /cds=(157,714) /gb=NM_001124            |   |                      |                      |
|       | . 9       | /gi=4501944 /ug=Hs 394 /len=1449        |   |                      |                      |
| 641   | 0.005927  | mRNA for KIAA1119 protein, partial      | AB032945                                | Hs.172506            |                      |
|       | 0.0000    | cds. /cds=(1,3783) /gb=AB032945         | , 120020110                             | 110.11.2000          |                      |
|       | 1         | /gi=6329707 /ug=Hs.172506 /len=7438     |   |                      |                      |
|       |           |   |   |                      | **:                  |
| 642   | 0.002096  | centrin, EF-hand protein, 2 (CETN2),    | NM_004344                               | Hs.82794             | NP_004335            |
|       | 0.002000  | mRNA /cds=(48,566) /gb=NM_004344        | 11111_00 10 1 1                         | 110.0270 1           | 111 _00 1000         |
|       | 2         | /gi=4757901 /ug=Hs.82794 /len=1087      |   | *                    |                      |
|       |           |   | *                                       |                      | · - ,                |
| 645   | 0.013394  | hematopoietic-derived zinc              | NP 004867                               |                      | <del> </del>         |
| 0.10  | 0.010004  | fingerprotein (RefSeq aa 1e-48)         | 141 _004007                             | ¥                    |                      |
| 667   | 0.007107  | complement component 3a receptor 1      | NM_004054                               | Hs.155935            | NP_004045            |
| 501   | 0.557 107 | (C3AR1), mRNA /cds=(93,1541)            | 1.400-00-4                              | 1.13.133333          | -00-043              |
|       |           | /gb=NM 004054 /gi=21314629              |   | ĺ                    |                      |
|       | 100       | /ug=Hs.155935 /len=1985                 |   |                      |                      |
| 669   | 0.036556  |   | NM 016119                               | Hs.279799            | NP_057203            |
| oça   | 0.000000  | antigen (NY-REN-34), mRNA               | 14141_010119                            | 13.213133            | 141 _03/203          |
| 2     |           | /cds=(129,704) /gb=NM_016119            | .**                                     |                      |                      |
|       |           | /gi=7705832 /ug=Hs.279799 /len=1323     | *                                       |                      | · · ·                |
|       |           | 1                                       |   | [                    |                      |
| 672   | 0.003183  | C-terminal binding protein 2 (CTBP2),   | NM 022802                               | Hs.171391            | NP 073713            |
| 012   | 0.003103  | transcript variant 2, mRNA              | 14141_022002                            | 1118.17 1381         | NF_0/3/13            |
|       | 1         | /cds=(137,3094) /gb=NM_022802           |   |                      | 1                    |
|       |           |   |   |                      |                      |
|       |           | /gi=12746589 /ug=Hs.171391<br>/len=3780 | #C                                      | *** · ***            |                      |
|       | <u> </u>  | /ICII-3/00                              | L                                       | <u> </u>             | L                    |

| <u> 3 nes</u>   | Correspor | nding To Differentially Expressed Gen                    |               | · RA       |             |
|-----------------|-----------|--|---------------|------------|-------------|
|                 | p-value   | Description  | Gene          | Unigene    | Protein     |
|                 | 7.        |  | Accession No. | Accession  | Accession   |
|                 |           |  | -             | No.        | No.         |
| 673             | 0.049079  | fatty-acid-Coenzyme A ligase, long-                      | NM 022977     | Hs.81452   | NP 075266   |
|                 | ,, y.,    | chain 4 (FACL4), transcript variant 2,                   |               |            |             |
|                 |           | mRNA /cds=(507,2642)                                     |               |            |             |
|                 |           | /gb=NM_022977 /gi=12669908                               |               |            |             |
| •               | *         | /ug=Hs.81452 /len=5356                                   |               |            |             |
| 678             | 0.030075  | clone alpha est218/52C1 mRNA                             | AF001542      | Hs.356442  |             |
| 070             | 0.000073  | sequence /gb=AF001542 /gi=2529714                        | A 001342      | 113.550442 |             |
|                 |           | /ug=Hs.356442 /len=2992                                  | ,             |            | . 1         |
| 686             |           | HTGN29 protein (HTGN29), mRNA                            | NM 020199     | Hs.283437  | NP 064584   |
| , 000           | 0.001070  | /cds=(205,1002) /gb=NM_020199                            | NIVI_020199   | 113.203437 | INF_004304  |
|                 | y         | /gi=9910277 /ug=Hs.283437 /len=2371                      |               | *          |             |
| ٠               |           | /gi-99102/7//ug-H5.263437 /ieii-2371                     |               | . *        |             |
| 601             | 0.002042  | U5 snRNP-specific protein, 200-KD (U5                    | NIM OLAGIA    | Hs.246112  | ND 054722   |
| 691             | 0.003213  |  | NN_014014     | HS.246112  | NP_054733   |
| -               |           | 200KD), mRNA /cds=(189,5624)                             |               |            |             |
|                 |           | /gb=NM_014014 /gi=24307974                               |               |            | * * *       |
| 000             | 0.045005  | /ug=Hs.246112 /len=5898                                  | 1114 222422   | 11 7/00/   | N.D. 000470 |
| 696             | 0.015895  | discoidin domain receptor family,                        | NM_006182     | Hs.71891   | NP_006173   |
|                 | ć.        | member 2 (DDR2), mRNA                                    |               |            |             |
|                 |           | /cds=(354,2921) /gb=NM_006182                            |               |            |             |
| *               |           | /gi=5453813 /ug=Hs.71891 /len=3096                       |               |            |             |
| 709             | 0.007171  | ATP synthase, H_transporting,                            | NM_001697     | Hs.433960  | NP_001688   |
| •               |           | mitochondrial F1 complex, O subunit                      |               |            | . *         |
|                 | 5 V;      | (oligomycin sensitivity conferring                       |               |            |             |
|                 |           | protein) (ATP5O), mRNA /cds=(37,678)                     |               | ,          | · ·         |
|                 |           | /gb=NM_001697 /gi=4502302                                | 1.2           |            |             |
|                 |           | /ug=Hs.433960 /len=772                                   |               |            |             |
| 715             | 0.013394  | galactosamine (N-acetyl)-6-sulfate                       | NM_000512     | Hs.159479  | NP_000503   |
|                 |           | sulfatase (Morquio syndrome,                             |               | 7          |             |
|                 |           | mucopolysaccharidosis type IVA)                          |               |            |             |
|                 | *         | (GALNS), mRNA /cds=(56,1624)                             |               |            |             |
|                 |           | /gb=NM_000512 /gi=9945384                                |               |            | *           |
|                 |           | /ug=Hs.159479 /len=2328                                  | * . *         |            |             |
| 716             | 0.022106  | chromosome 6 open reading frame 49                       | NM_017601     | Hs.347297  | NP 060071   |
| - '             |           | (C6orf49), mRNA /cds=(777,1715)                          |               |            | -           |
|                 |           | /gb=NM_017601 /gi=8922168                                |               | 0          |             |
|                 |           | /ug=Hs.347297 /len=3316                                  |               |            |             |
| 718             | 0.025911  | angiomotin (AMOT), mRNA                                  | NM_133265     | Hs.9271    | NP 573572   |
|                 |           | /cds=(797,2824) /gb=NM 133265                            |               |            |             |
| ÷               | ,         | /gi=19111149 /ug=Hs.9271 /len=6888                       | -             |            | *           |
| 722             | 0.035177  | glutamic-oxaloacetic transaminase 1,                     | NM 002079     | Hs.597     | NP 002070   |
| · <del></del> , | 3.555     | soluble (aspartate aminotransferase 1)                   | 552575        | 1.10.007   |             |
|                 | 1.        | , , ,  | 1             | I          | 1           |
|                 |           | (GOT1) mRNA /cds=/25 1266)                               |               |            | 1           |
|                 |           | (GOT1), mRNA /cds=(25,1266)<br>/gb=NM_002079 /gi=4504066 |               | , s        |             |

| Genes | Correspon | nding To Differentially Expressed G n   | s in Figur 20 -                         | RA            |            |
|-------|-----------|---|---|---------------|------------|
|       |           | Description                             | Gen                                     | Unigene       | Protein    |
|       |           |   | Acc ssion No.                           | Accession     | Accession  |
|       |           |   |   | No.           | No.        |
| 726   | 0.007107  | tyrosine 3-monooxygenase/tryptophan     | NM 012479                               | Hs.25001      | NP 036611  |
|       |           | 5-monooxygenase activation protein,     |   |               |            |
|       |           | gamma polypeptide (YWHAG), mRNA         |   |               |            |
| ;     |           | /cds=(192,935) /gb=NM_012479            | • |               |            |
|       |           | /gi=21464100 /ug=Hs.25001 /len=3747     |   |               |            |
| j     |           | 19. 27.6.735.729.715.2555.7.6.7.5.7.7   |   |               | *          |
|       |           | <u> </u>                                |   |               |            |
| 728   | 0.013394  | netrin 4 (NTN4), mRNA                   | NM_021229                               | Hs.102541     | NP_067052  |
| , 20  | 0.0.0001  | /cds=(452,2338) /gb=NM_021229           | 11111_02 1220                           | 110.702011    | 1490. 002  |
|       |           | /gi=24475651 /ug=Hs.102541              |   |               |            |
|       |           | /len=3607                               |   |               | -          |
| 729   | 0.02801   | sprouty 2 (Drosophila) (SPRY2), mRNA    | NIM 005842                              | Hs.18676      | NP 005833  |
| 123   | 0.02001   | /cds=(382,1329) /gb=NM_005842           | 14141_003042                            | 1 13. 100 / 0 | 145_000000 |
|       |           | /gi=22209007 /ug=Hs.18676 /len=2126     | *                                       |               |            |
|       |           | /gi-22209007 /ug-ms. 10070 /leti-2120   |   |               |            |
| 720   | 0.020200  | PTD016 protein (LOC51136), mRNA         | NM 016125                               | Hs.30154      | ND 057200  |
| 730   | 0.020388  |   | NM_016125                               | I⊓S.30154     | NP_057209  |
| , ,   |           | /cds=(183,809) /gb=NM_016125            | · ·                                     |               |            |
|       |           | /gi=21361528 /ug=Hs:30154 /len=1917     |   | 5.            | *          |
| 70.4  |           |   |   | 11 21221      | 115 11115  |
| 731   | 0.014946  | mitochondrial ribosomal protein S21     | NM_018997                               | Hs.81281      | NP_114107  |
| 2     |           | (MRPS21), transcript variant 2, nuclear |   |               |            |
|       |           | gene encoding mitochondrial protein,    |   |               |            |
|       | · ·       | mRNA /cds=(519,782) /gb=NM_018997       | £4.                                     |               | 1          |
|       | :         | /gi=16950592 /ug=Hs.81281 /len=939      | * * *                                   |               |            |
|       |           | THE CONTRACT SAIL                       |   |               |            |
| 733   | 0.004367  | squamous cell carcinoma antigen         | NM_014706                               | Hs.116875     | NP_055521  |
| 33    |           | recognised by T cells 3 (SART3),        | . ×                                     | , .           |            |
|       |           | mRNA /cds=(8,2899) /gb=NM_014706        | 1 .                                     | •             | ;          |
|       |           | /gi=21327689 /ug=Hs.116875              |   |               |            |
|       |           | /len=3776                               |   |               |            |
| 751   | 0.007807  | cDNA FLJ38678 fis, clone                | AK095997                                | Hs.378546     | 4 4 7      |
|       |           | KIDNE2000227. /gb=AK095997              | *                                       |               | *          |
|       | *         | /gi=21755370 /ug=Hs.378546              |   |               | _          |
|       | * * *     | /len=2292                               |   |               |            |
| 759   | 0.011238  | chemokine (C-X-C motif) receptor 4      | NM 003467                               | Hs.89414      | NP_003458  |
|       |           | (CXCR4), mRNA /cds=(89,1147)            |   |               |            |
|       |           | /gb=NM_003467 /gi=4503174               |   |               |            |
|       | ,         | /ug=Hs.89414 /len=1679                  |   |               |            |
| 761   | 0.013304  | caldesmon 1 (CALD1), transcript         | NM 033138                               | Hs.325474     | NP 149347  |
| ' '   | 0,010034  | variant 1, mRNA /cds=(230,2611)         | 1,444,_000,100                          | 1.13.020777   | 141 _14047 |
|       | * .       | /gb=NM_033138 /gi=15149460              | .* "                                    |               |            |
| * *:  | [ ·       | 1 =                                     |   |               |            |
| 700   | 2.045.04  | /ug=Hs.325474 /len=3610                 | NINA 000440                             | 110 704 40    | ND 000400  |
| 769   | 3.04E-04  | platelet/endothelial cell adhesion      | NM_000442                               | Hs.78146      | NP_000433  |
| ·     | *         | molecule (CD31 antigen) (PECAM1),       | 1                                       |               | -          |
|       |           | mRNA /cds=(194,2410)                    |   | . · · · ·     | *          |
|       |           | /gb=NM_000442 /gi=21314616              |   |               | · ·        |
|       |           | /ug=Hs.78146 /len=3189                  |   | L             | Ľ          |

|      |          | nding To Differ ntially Expressed Gen    |                                       |            | B 444        |
|------|----------|--|---------------------------------------|------------|--------------|
| Spot | p-value  | Description                              | Gene                                  | Unigene    | Prot in      |
|      |          |  | Accession No.                         | Accession  | Acc ssion    |
|      |          |  |                                       | No.        | No.          |
| 770  | 0.008566 | of Tom7 (S. cerevisiae) (TOM7), mRNA     | NM_019059                             | Hs.112318  | NP_061932    |
|      |          | /cds=(94,261) /gb=NM_019059              |                                       |            |              |
|      |          | /gi=9506858 /ug=Hs.112318 /len=487       |                                       | · / *      |              |
|      |          |  |                                       |            |              |
| 775  | 0.030249 | cofilin isoform 1                        | AF134802                              |            | NP 068733    |
| 796  | 0.001501 | poly(rC) binding protein 2 (PCBP2),      | NM 005016                             | Hs.63525   | NP 114366    |
|      |          | transcript variant 1, mRNA               | - ₹:                                  |            | _            |
| *    |          | /cds=(89,1189) /gb=NM_005016             |                                       | 1          |              |
|      | ***      | /gi=14141167 /ug=Hs.63525 /len=1362      |                                       |            |              |
|      | *7       | <b>3</b>                                 |                                       |            |              |
| 797  | 0.043799 | C-type (calcium dependent,               | NM 005752                             | Hs.287364  | NP 005743    |
| , ,  | 0.040700 | carbohydrate-recognition domain)         | 14.41_000102                          | 110.207007 | 11110001 10  |
|      |          | lectin, superfamily member 1 (cartilage- | * * * * * * * * * * * * * * * * * * * |            |              |
|      |          | derived) (CLECSF1), mRNA                 |                                       |            |              |
|      |          | /cds=(80,673) /gb=NM 005752              | *                                     |            |              |
|      | Ze 🔩     | /gi=5031636 /ug=Hs.287364 /len=673       |                                       |            | * * *.       |
| 200  | 0.040754 |  | NM 015435                             | 11- 40220  | ND 050050    |
| 806  | 0.040751 | ring finger protein 19 (RNF19), mRNA     | NIVI_U 15435                          | Hs.48320   | NP_056250    |
|      |          | /cds=(318,2834) /gb=NM_015435            |                                       |            |              |
|      |          | /gi=19923421 /ug=Hs.48320 /len=4357      |                                       | 100        |              |
|      |          |  |                                       |            | ND 055507    |
| 807  | 0.020388 | KIAA0102 gene product (KIAA0102),        |                                       | Hs.77665   | NP_055567    |
|      |          | mRNA /cds=(308,679) /gb=NM_014752        |                                       |            | *            |
|      |          | /gi=7661907 /ug=Hs.77665 /len=1370       | 2 Y 2                                 |            | ·            |
|      | ٠        |  |                                       |            |              |
| 824  | 0.047031 | lipoprotein lipase (LPL), mRNA           | NM_000237                             | Hs.180878  | NP_000228    |
|      |          | /cds=(175,1602) /gb=NM_000237            |                                       |            |              |
|      |          | /gi=4557726 /ug=Hs.180878 /len=3549      |                                       |            | * "          |
|      |          |  |                                       | * *        | *.           |
| 829  | 5,11E-04 | zinc finger protein 103 (mouse)          | NM_005667                             | Hs.155968  | NP_005658    |
|      |          | (ZFP103), mRNA /cds=(923,2980)           |                                       |            |              |
| -    |          | /gb=NM_005667 /gi=5031824                |                                       |            | ٠.           |
|      |          | /ug=Hs.155968 /len=3423                  |                                       |            |              |
| 830  | 0.02801  | signal transducer and activator of       | NM_007315                             | Hs.21486   | NP 644671    |
|      |          | transcription 1, 91kDa (STAT1),          | ·                                     | **         |              |
|      |          | transcript variant alpha, mRNA           |                                       |            | •            |
|      |          | /cds=(352,2604) /gb=NM_007315            |                                       |            |              |
|      | . "      | /gi=21536299 /ug=Hs.21486 /len=4157      |                                       | ,          |              |
|      |          | .g                                       |                                       |            | · ·          |
| 832  | 0.014599 | heat shock 105kD (HSP105B), mRNA         | NM 006644                             | Hs.36927   | NP 006635    |
| JUZ. | 0.917000 | /cds=(314,2758) /gb=NM_006644            | }                                     | ☐ IS.50927 | 1.11 _000000 |
|      | 1        |  |                                       |            | Ξ,           |
| 024  | 0.004362 | /gi=5729878 /ug=Hs.36927 /len=3448       | NIM 005704                            | He 100000  | ND 005745    |
| 834  | 0.004367 | tetraspan 3 (TSPAN-3), mRNA              | NM_005724                             | Hs.100090  | NP_005715    |
|      |          | /cds=(218,979) /gb=NM_005724             |                                       |            |              |
|      |          | /gi=21264581 /ug=Hs.100090               |                                       |            |              |
|      |          | /len=1842                                | 1                                     | .1         | *            |

|             |            | nding To Differentially Expressed Gen     |   |             | Ducke        |
|-------------|------------|---|---|-------------|--------------|
| Spot        | p-value    | Description                               | G ne                                    | Unigene     | Protein      |
|             |            | * *                                       | Accession No.                           | Accession   | Accession    |
|             |            |   |   | No.         | No.          |
| 835         | 0.010277   | likely ortholog of mouse tumor            | NM_020755                               | Hs.146668   | NP_065806    |
|             |            | differentially expressed 1, like (TDE1L), |   |             |              |
|             |            | mRNA /cds=(76,1437) /gb=NM_020755         |   |             |              |
| 13          |            | /gi=24308212 /ug=Hs.146668                |   |             |              |
|             |            | /len=3149                                 |   |             |              |
| 839         | 0.03788    | KIAA0781                                  | AB018324                                |             |              |
| 841         |            | v-Ki-ras2 Kirsten rat sarcoma 2 viral     | NM_033360                               | Hs.433714   | NP 203524    |
| ¥           |            | oncogene (KRAS2), transcript variant a,   | <del>-</del>                            |             | _            |
|             |            | mRNA /cds=(182,751) /gb=NM_033360         | ,                                       |             |              |
| · · ·       |            | /gi=15718762 /ug=Hs.433714                |   | *           |              |
|             |            | /len=1486                                 |   |             | • 0          |
| 843         | 0.025911   | CDC42 effector protein (Rho GTPase        | NM_006449                               | Hs.260024   | NP_006440    |
| <del></del> | 3.023311   | binding) 3 (CDC42EP3), mRNA               | 1.VI_000770                             | 1.13.200024 |              |
|             |            | /cds=(969,1733) /gb=NM_006449             | ,                                       | *.          |              |
|             |            |   | *                                       | * . *       |              |
|             |            | /gi=19923355 /ug=Hs.260024                | *                                       |             |              |
| 045         | 0.00740=   | /len=2768                                 | NIM CORRES                              | Lip 140474  | ND 00000     |
| 845         | J 0.00/10/ | tetratricopeptide repeat domain 3         | NM_003316                               | Hs.118174   | NP_003307    |
|             |            | (TTC3), mRNA /cds=(1470,7547)             |   |             | J .          |
|             | [*         | /gb=NM_003316 /gi=21359840                |   |             |              |
|             |            | /ug=Hs.118174 /len=9078                   |   |             |              |
| 857         | 0.018784   | mitochondrial carrier 1 (MTCH1),          | NM_014341                               | Hs.279939   | NP_055156    |
|             | * *        | nuclear gene encoding mitochondrial       | 0                                       |             |              |
|             |            | protein, mRNA /cds=(1,1119)               | 0 * * * * * * * * * * * * * * * * * * * | ,           |              |
|             |            | /gb=NM_014341 /gi=7657344                 |   |             | 1 .          |
| •           | ~          | /ug=Hs.279939 /len=1890                   |   |             |              |
| 858         | 0.025911   | calpastatin (CAST), transcript variant 2, | NM_173060                               | Hs.359682   | NP_775085    |
|             |            | mRNA /cds=(155,2215)                      |   |             |              |
| *           |            | /gb=NM_173060 /gi=27765084                |   |             |              |
|             |            | /ug=Hs.359682 /len=4296                   |   |             | -            |
| 863         | 0.015895   | heterogeneous nuclear                     | NM 005968                               | Hs.79024    | NP_112480    |
|             | 3.7.3.433  | ribonucleoprotein M (HNRPM),              |   |             |              |
|             | 1 0        | transcript variant 1, mRNA                |   |             | 1            |
| 4           |            | /cds=(231,2423) /gb=NM_005968             |   |             |              |
|             |            | /gi=14141151 /ug=Hs.79024 /len=2703       |   |             |              |
|             | 1          |   |   |             | . •          |
| 865         | 0.035177   | mitochondrion, complete genome            | NC_001807                               |             | <del> </del> |
| 869         |            | receptor associated protein 80            | NM 016290                               | Hs.7889     | NP_057374    |
| 003         | 0.020040   | (RAP80), mRNA /cds=(110,2269)             | 14/41_010230                            | 113.7000    | -03/3/2      |
|             |            | /gb=NM_016290 /gi=21361592                | . '                                     |             |              |
| ,           |            |   |   |             |              |
| 074         | 0.020240   | /ug=Hs.7889 /len=2516                     | NIM OTAGAA                              | Hc 265040   | ND OFFACE    |
| 871         | Ų.U3U249   | phosphodiesterase 4D interacting          | NM_014644                               | Hs.265848   | NP_055459    |
|             |            | protein (myomegalin) (PDE4DIP),           | -                                       |             | (¥)          |
|             |            | mRNA /cds=(658,4056)                      |   |             |              |
|             |            | /gb=NM_014644 /gi=11036643                |   |             | .v.          |
| 100         | · .        | /ug=Hs.265848 /len=5676                   |   |             |              |
| 873         | 0.015895   | dynactin 4 (p62) (DCTN4), mRNA            | NM_016221                               | Hs.328865   | NP_05730     |
|             |            | /cds=(22,1404) /gb=NM_016221              | *                                       | 1           |              |
|             |            | /gi=19923450 /ug=Hs.328865                |   |             |              |
|             |            | /len=3837                                 |   | 1 6         |              |

|                  |   | nding To Differentially Expressed Gen    |               |           |                 |
|------------------|---|--|---------------|-----------|-----------------|
| Spot             | p-value                                 | Description                              | Gene          | Unigene   | Protein         |
|                  |   | _ *                                      | Accession No. | Accession | Accession       |
| 7 12 12 17 17 17 |   |  |               | No.       | No.             |
| 874              | 0.032636                                | proline rich 2 (PROL2), mRNA             | NM_006813     | Hs.75969  | NP_006804       |
| *                | · ×                                     | /cds=(114,1097) /gb=NM_006813            |               |           |                 |
|                  |   | /gi=5802981 /ug=Hs.75969 /len=2061       |               |           |                 |
| 879              | 0.017288                                | laminin, beta 1 (LAMB1), mRNA            | NM_002291     | Hs.82124  | NP_002282       |
|                  | * /                                     | /cds=(336,5696) /gb=NM_002291            | - 0           | 9         |                 |
|                  |   | /gi=4504950 /ug=Hs.82124 /len=5831       |               |           |                 |
| 880              | 0.012276                                | mRNA; cDNA DKFZp667D087 (from            | AL833217      | Hs.348420 |                 |
| e i              | , ,                                     | clone DKFZp667D087) /gb=AL833217         |               |           |                 |
|                  |   | /gi=21733848 /ug=Hs.348420               |               |           |                 |
|                  | *                                       | /len=3440                                | , ,           | g. A.     |                 |
| 884              | 0.025911                                | 603031929T1 NIH_MGC_115 cDNA             | BI490626      | Hs.347727 |                 |
|                  |   | clone IMAGE:5173326 3', mRNA             |               | 4         |                 |
|                  | . *                                     | sequence /clone=IMAGE:5173326            |               |           | ) · · · · · · · |
|                  |   | /clone_end=3' /gb=BI490626               |               |           |                 |
|                  |   | /gi=15329854 /ug=Hs.347727               | *             |           |                 |
|                  | 100000000000000000000000000000000000000 | /len=1255                                |               |           |                 |
| 887              | 0.025911                                | polyadenylate binding protein-           | NM_006451     | Hs.109643 | NP_006442       |
|                  |   | interacting protein 1 (PAIP1), mRNA      | 1             |           |                 |
|                  |   | /cds=(188,1627) /gb=NM_006451            |               |           |                 |
|                  | * 1                                     | /gi=17511254 /ug=Hs.109643               |               |           |                 |
| 4.2              | 1,                                      | /len=2764                                |               | .00       |                 |
| 889              | 0.025911                                | ribosomal protein L5 (RPL5), mRNA        | NM_000969     | Hs.180946 | NP_000960       |
|                  |   | /cds=(63,956) /gb=NM_000969              |               | *         |                 |
|                  |   | /gi=14591908 /ug=Hs.180946               |               |           |                 |
|                  |   | /len=1033                                |               |           |                 |
| 890              | 0.03788                                 | tropomyosin 1 (alpha) (TPM1), mRNA       | NM_000366     | Hs.77899  | NP_000357       |
|                  |   | /cds=(151,1005) /gb=NM_000366            |               |           |                 |
|                  |   | /gi=27597084 /ug=Hs.77899 /len=1265      |               |           | *               |
| •                |   | · · · · · · · · · · · · · · · · · · ·    |               |           |                 |
| 891              | 8.58E-05                                | ubiquitin-conjugating enzyme E2E 3       | NM_006357     | Hs.4890   | NP_006348       |
|                  | -                                       | (UBC4/5 yeast) (UBE2E3), mRNA            | 7.            | ••        | •               |
|                  |   | /cds=(120,743) /gb=NM_006357             | ,             |           |                 |
|                  | 7 7                                     | /gi=5454145 /ug=Hs.4890 /len=1294        | * * * *       |           |                 |
| 892              | 0.002096                                |  | NM_003270     | Hs.121068 | NP_003261       |
|                  |   | 6 (TM4SF6), mRNA /cds=(104,841)          |               |           |                 |
|                  |   | /gb=NM_003270 /gi=21265115               | 0(-           | •         | '               |
|                  | 2 .                                     | /ug=Hs.121068 /len=2069                  | *             |           |                 |
|                  |   |  |               |           |                 |
| 894              | 0.001878                                | splicing factor, arginine/serine-rich 11 | NM_004768     | Hs.433581 | NP_004759       |
|                  |   | (SFRS11), mRNA /cds=(125,1579)           |               |           |                 |
|                  | 1 1 1                                   | /gb=NM_004768 /gi=23111060               |               | *         |                 |
|                  |   | /ug=Hs.433581 /len=2775                  |               |           |                 |
| 896              | 0.006463                                | hypothetical protein FLJ32949            | NM_173812     | Hs.125472 | NP_776173       |
|                  | ,                                       | (FLJ32949), mRNA /cds=(1,2277)           |               | · A       |                 |
|                  |   | /gb=NM_173812 /gi=27883873               |               |           | -               |
|                  |   | /ug=Hs.125472 /len=2277                  | 7.00          | 4         | I .             |

|      | p-value   | nding To Differentially Express d Gen<br>Description | Gene          | Unigene    | Protein          |
|------|-----------|--|---------------|------------|------------------|
| Shor | p-value   | Description  | Accession No. | Accession  |                  |
|      |           |  | Accession No. | No.        | Accession        |
| 899  | 0.017288  | chromosome 21 open reading frame 59                  | NM 017835     | Hs.5811    | No.<br>NP 067077 |
| 099  | 0.017200  | (C21orf59), mRNA-/cds=(361,777)                      | 14IVI_017033  | 115.5011   | NP_007077        |
|      |           | /gb=NM_017835 /gi=8923436                            |               |            |                  |
|      |           | /gg=Hs:5811 /len=1245                                | * *           |            |                  |
| 900  | 0.022626  | RAB11A, member RAS oncogene                          | NIM OOAGG2    | Hs.75618   | ND 004654        |
| 900  | 0.03,2030 |  | NM_004663     | HS. 75018  | NP_004654        |
|      |           | family (RAB11A), mRNA                                |               |            | n ***            |
| * .  |           | /cds=(104,754) /gb=NM_004663                         |               |            |                  |
| 1    |           | /gi=20149549 /ug=Hs 75618 /len=2474                  | ş= (          |            | · · ·            |
| 901  | 1 525 04  | signal transducing adaptor molecule                  | NM 005843     | Hs.17200   | NP_005834        |
| 901  | 1.55⊑-04  | (SH3 domain and ITAM motif) 2                        | 14141_003643  | Ins. 17200 | NP_003634        |
|      |           |  |               |            |                  |
|      |           | (STAM2), mRNA /cds=(351,1928)                        | uni en la     |            |                  |
|      | ·         | /gb=NM_005843 /gi=21265030                           |               |            |                  |
| 000  | 0.000000  | /ug=Hs.17200 /len=3928                               | NM 000400     | 11. 440400 | ND 000007        |
| 902  | 0.002602  | H2A histone family, member Z                         | NM_002106     | Hs.119192  | NP_002097        |
|      |           | (H2AFZ), mRNA /cds=(107,493)                         | en i a circa  |            | ;                |
|      | l ·       | /gb=NM_002106 /gi=20336749                           |               |            |                  |
| 200  |           | /ug=Hs.119192 /len=873                               |               |            |                  |
| 903  | 0.007107  | S100 calcium binding protein A10                     | NM_002966     | Hs.400250  | NP_002957        |
|      |           | (annexin II ligand, calpactin I, light               | *             |            |                  |
|      |           | polypeptide (p11)) (S100A10), mRNA                   |               | *          | G 8              |
|      |           | /cds=(112,405) /gb=NM_002966                         | IA .          | \$1°       |                  |
|      |           | /gi=4506760 /ug=Hs.400250 /len=649                   |               |            |                  |
| 904  | 0.015895  | tumor susceptibility gene 101                        | NM_006292     | Hs.118910  | NP_006283        |
|      |           | (TSG101), mRNA /cds=(127,1299)                       |               |            | *                |
|      |           | /gb=NM_006292 /gi=18765712                           |               |            | . *              |
|      |           | /ug=Hs.118910 /len=1550                              | ·             |            |                  |
| 905  | 0.003563  | KIAA0107 gene product (P44S10),                      | NM_014814     | Hs.23488   | NP_055629        |
|      |           | mRNA /cds=(26,1195) /gb=NM_014814                    |               | 4.         | w /              |
|      |           | /gi=7661913 /ug=Hs.23488 /len=1308                   |               |            |                  |
|      | į.        |  |               |            |                  |
| 906  | 0.02801   | transaldolase 1 (TALDO1), mRNA                       | NM_006755     | Hs.77290   | NP_006746        |
|      |           | /cds=(51,1064) /gb=NM_006755                         |               | · ·        |                  |
|      | 1         | /gi=5803186 /ug=Hs.77290 /len=1319                   | <u> </u>      |            |                  |
| 919  | 0.011238  | putative protein tyrosine phosphatase                | Ü93051        | Hş.356062  | NP_000305        |
|      |           | (PTEN) mRNA, complete cds                            |               |            |                  |
|      |           | /cds=(1,1212) /gb=U93051 /gi=1916351                 |               |            |                  |
| 1.1  | •         | /ug=Hs.356062 /len=1212                              |               |            |                  |
|      |           |  | * 7           |            | 4                |
| 936  | 0.018784  | membrane-bound transcription factor                  | NM_015884     | Hs.350970  | NP_056968        |
|      |           | protease, site 2 (MBTPS2), mRNA                      | _             |            |                  |
|      |           | /cds=(100,1659) /gb=NM_015884                        |               |            | <u> </u>         |
|      |           | /gi=7706692 /ug=Hs.350970 /len=1759                  |               | 1 1        |                  |
|      |           |  |               |            | <b>]</b> .       |
| 951  | 0.015895  | CDC-like kinase1 (CLK1), mRNA                        | NM 004071     | Hs.2083    | NP 004062        |
|      |           | /cds=(156,1610) /gb=NM_004071                        |               |            | - 55 ,552        |
|      |           | /gi=4758007 /ug=Hs.2083 /len=1834                    |               |            |                  |

|                             |             | nding To Diff r ntially Express d Gen   | Gene          |   | Protein                             |
|-----------------------------|-------------|---|---------------|---|-------------------------------------|
| opot                        | p-value     | Description                             |               | Unigene                                 |                                     |
|                             |             |   | Accession No. | Accession                               | Accession                           |
|                             |             |   |               | No.                                     | No.                                 |
| 953                         | 0.001501    | mRNA for KIAA0592 protein, partial      | AB011164      | Hs.439367                               |                                     |
|                             |             | cds. /cds=(1,4062) /gb=AB011164         |               |   |                                     |
|                             |             | /gi=3043707 /ug=Hs.439367 /len=4623     | •             | *                                       |                                     |
|                             |             |   |               | ٠                                       |                                     |
| 958                         | 0.014599    | cathepsin B (CTSB), transcript variant  | NM 147780     | Hs.297939                               | NP 680093                           |
| ,                           |             | 2, mRNA /cds=(314,1333)                 | <del></del>   |   |                                     |
|                             |             | /gb=NM 147780 /gi=22538430              | 1)(1)         |   |                                     |
|                             |             | /ug=Hs.297939 /len=2140                 |               | • 10                                    |                                     |
| 961                         | 0.035177    | SON DNA binding protein (SON),          | NM 058183     | Hs.92909                                | NP 620305                           |
| 901.                        | 0.035 [.77] |   | 14141-020102  | IU2:97909                               | INF_020303                          |
| institution<br>State of the |             | transcript variant e, mRNA              | · 7           |   |                                     |
|                             |             | /cds=(50,6376) /gb=NM_058183            | - () -        |   |                                     |
|                             |             | /gi=21040317 /ug=Hs.92909 /len=8482     |               | , ,                                     |                                     |
|                             |             |   | 0.76          |   |                                     |
| 965                         | 0.015895    | testis enhanced gene transcript         | NM_003217     | Hs.74637                                | NP_003208                           |
| i.                          | * * *       | (TEGT), mRNA /cds=(41,754)              |               |   | 7 · · · ·                           |
|                             |             | /gb=NM_003217 /gi=4507432               |               | •                                       |                                     |
| 9.7                         | 1 .         | /ug=Hs.74637 /len=2600                  | ,             |   |                                     |
| 966                         | 0.02801     | CGI-81 protein (DREV1), mRNA            | NM 016025     | Hs.279583                               | NP 057109                           |
|                             |             | /cds=(249,1100) /gb=NM_016025           | 7.7           | * | T                                   |
|                             |             | /gi=19923448 /ug=Hs.279583              |               |   |                                     |
|                             |             | /len=3163                               |               | * *                                     |                                     |
| 967                         | 0.015805    | hepatoma-derived growth factor (high-   | NM 004494     | Hs.89525                                | NP 004485                           |
| 907                         | 0.013093    |   | 14101_004494  | 118.09323                               | NF_004403                           |
|                             |             | mobility group protein 1-like) (HDGF),  |               |   | · ·                                 |
|                             |             | mRNA /cds=(316,1038)                    |               |   |                                     |
|                             |             | /gb=NM_004494 /gi=4758515               |               |   |                                     |
|                             | 1, -        | /ug=Hs.89525 /len=2376                  |               |   | _ ; .                               |
| 969                         | 0.022106    | cisplatin resistance-associated         | NM_016424     | Hs.3688                                 | NP_057508                           |
|                             |             | overexpressed protein (LUC7A), mRNA     |               |   |                                     |
|                             | **          | /cds=(154,1452) /gb=NM_016424           |               |   |                                     |
|                             |             | /gi=19923484 /ug=Hs.3688 /len=3451      |               | 1                                       |                                     |
|                             |             |   |               |   |                                     |
| 971                         | 0.047031    | mitochondrion, complete genome          | NC 001807     |   | 0 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 |
| 975                         | 0.006463    | aldo-keto reductase family 1, member    | NM_006066     | Hs.432896                               | NP_697021                           |
|                             |             | A1 (aldehyde reductase) (AKR1A1),       |               |   |                                     |
|                             | Tec         | transcript variant 1, mRNA              |               |   |                                     |
|                             |             | /cds=(465,1442) /gb=NM_006066           |               |   | ·.                                  |
|                             |             | /gi≑24497575 /ug=Hs:432896              |               | b*:                                     | ,                                   |
|                             |             |   |               | : *                                     | 1.                                  |
| 077                         | 0.040070    | /len=1556                               | NIM COCCC     | 110.070                                 | ND 000040                           |
| 977                         | 0.012276    | pyruvate dehydrogenase (lipoamide)      | NM_000925     | Hs.979                                  | NP_000916                           |
|                             | 1.          | beta (PDHB), mRNA /cds=(19,1098)        | ,             |   |                                     |
|                             |             | /gb=NM_000925 /gi=4505686               |               | 1                                       | 1                                   |
|                             |             | /ug=Hs.979 /len=1501                    |               |   |                                     |
| 978                         | 0.025911    | cyclin D binding myb-like transcription | NM_021145     | Hs.5671                                 | NP_066968                           |
|                             |             | factor 1 (DMTF1), mRNA                  | · ·           |   |                                     |
|                             |             | /cds=(276,2558) /gb=NM_021145           |               |   | 1 1.5                               |
|                             |             | · · · · · · · · · · · · · · · · · · ·   | Ī.            | 1                                       |                                     |

|      |          | nding To Differentially Expr ssed Gen  |                  |  |              |
|------|----------|--|------------------|--|--------------|
| Spot | p-value  | Description                            | Gene             | Unig n                                 | Prot in      |
|      |          |  | Accession No.    | Acc ssion                              | Acc ssion    |
|      |          |  |                  | No.                                    | No.          |
| 981  | 0.030249 | wingless-type MMTV integration site    | NM 003392        | Hs.152213                              | NP_003383    |
|      |          | family, member 5A (WNT5A), mRNA        |                  | ۾ جن جي اس                             | <del>-</del> |
|      |          | /cds=(758,1855) /gb=NM_003392          | ••               |  |              |
|      |          | /gi=17402917 /ug=Hs.152213             |                  |  |              |
| : -  |          | /len=4428                              |                  | *                                      |              |
| 983  | 0.020200 | DEAD/H (Asp-Glu-Ala-Asp/His) box       | NM 014314        | Hs.145612                              | NP 055129    |
| 903  | 0.020368 | ` ''                                   | 1401_014514      | 115.145012                             | NP_033129    |
| *    |          | polypeptide (RIG-I), mRNA              | 5.               |  |              |
|      |          | /cds=(159,2936) /gb=NM_014314          | * <del>-</del> . | * =                                    | 1 4 y        |
| •    |          | /gi=27881481 /ug=Hs.145612             |                  | *                                      |              |
|      |          | /len=4372                              |                  |  | ND 00004     |
| 992  | 0.020388 | chemokine (C-X-C motif) ligand 3       | NM_002090        | Hs.89690                               | NP_002081    |
|      | * .      | (CXCL3), mRNA /cds=(78,398)            | * *              | 1                                      |              |
|      |          | /gb=NM_002090 /gi=4504156              |                  |  |              |
|      |          | /ug=Hs.89690 /len=1064                 | 81               | *                                      |              |
| 993  | 0.012276 | CREB binding protein (Rubinstein-Taybi | NM_004380        | Hs.23598                               | NP_004371    |
|      |          | syndrome) (CREBBP), mRNA               |                  |  |              |
|      |          | /cds=(199,7527) /gb=NM_004380          | Ú                | -                                      |              |
| 3    |          | /gi=4758055 /ug=Hs.23598 /len=8694     | , ,              |  | . 75         |
| 1000 | 0.043799 | bradykinin receptor B2 (BDKRB2),       | NM 000623        | Hs.250882                              | NP_000614    |
|      |          | mRNA /cds=(142,1317)                   |                  |  | _            |
|      |          | /gb=NM_000623 /gi=17352499             |                  |  | *            |
|      |          | /ug=Hs.250882 /len=4267                |                  |  |              |
| 1001 | 0.017288 | RAD23 B (S. cerevisiae) (RAD23B),      | NM 002874        | Hs.404283                              | NP_002865    |
|      | 0.017200 | mRNA /cds=(352,1581)                   | ,                |  |              |
|      |          | /gb=NM_002874 /gi=19924138             |                  |  |              |
|      | 1        | /ug=Hs.404283 /len=2943                |                  |  |              |
| 1002 | 0.003803 | NP220 nuclear protein (NP220), mRNA    | NIM 014497       | Hs.169984                              | NP 055312    |
| 1002 | 0.002093 | /cds=(315,6251) /gb=NM_014497          | 1440             | 113.103304                             | 11113_000012 |
|      |          | /gi=21626467 /ug=Hs.169984             |                  |  | *            |
|      |          |  |                  |  |              |
| 1002 | 0.000600 | /len=6570                              | NIM 001029       | LIO 400459                             | ND :001010   |
| 1003 | 0.002002 | ribosomal protein S25 (RPS25), mRNA    | INIVI_UU IU28    | Hs.409158                              | NP_001019    |
|      | * 1.     | /cds=(64,441) /gb=NM_001028            | rite.            |  |              |
|      |          | /gi=14591916 /ug=Hs.409158 /len=514.   | 2                |  |              |
| 1001 | 0.001100 |  |                  | 070504                                 | ND 075400    |
| 1004 | 0.001193 | fibroblast growth factor receptor 2    | NM_023028        | Hs.278581                              | NP_075420    |
|      |          | (bacteria-expressed kinase,            | . \              |  | 2.1          |
| 1    |          | keratinocyte growth factor receptor,   | 100              | *                                      | *            |
|      |          | craniofacial dysostosis 1, Crouzon     | 2.               |  |              |
| ļ    |          | syndrome, Pfeiffer syndrome, Jackson-  |                  | -                                      | 8.           |
|      |          | Weiss syndrome) (FGFR2), transcript    |                  | · ·                                    |              |
| l    |          | variant 10, mRNA /cds=(594,2960)       |                  | ٠.                                     |              |
|      |          | /gb=NM_023028 /gi=13186268             |                  | * *                                    |              |
| 1    | 0.00     | /ug=Hs.278581 /len=4667                |                  |  | Θ.           |
|      | , ,      |  | 1                |  |              |
| 1011 | 0.032636 | v-raf-1 murine leukemia viral oncogene | NM 002880        | Hs.349650                              | NP 002871    |
| ' '  |          | 1 (RAF1), mRNA /cds=(130,2076)         | 1                |  |              |
| ĺ    |          | /gb=NM_002880 /gi=4506400              |                  | 3                                      |              |
| l .  |          | /ug=Hs.349650 /len=2977                |                  | 1 :                                    |              |
| L    | 1.,      | /ug-115.070000 /1611-2011              | 1-               | ــــــــــــــــــــــــــــــــــــــ | <u>L:</u>    |

|          |            | nding To Differentially Expr ssed Gen   |               |                      | <u> </u>                                |
|----------|------------|---|---------------|----------------------|---|
| Spot     | p-value    | D scription   | Gene          | Unigene              | Protein                                 |
| `        |            |   | Accession No. | Accession            | Accession                               |
|          |            | * '   |               | No.                  | No.                                     |
| 1015     | 0.006463   | actinin, alpha 1 (ACTN1), mRNA  | NM 001102     | Hs.119000            | NP 001093                               |
| 1015     | 0.000403   |   | 14141_001102  | ns. 119000           | 1001093                                 |
|          |            | /cds=(184,2862) /gb=NM_001102   |               |                      |   |
|          |            | /gi=12025669 /ug=Hs.119000  | *             |                      |   |
|          | Ē.         | /len=3398   |               |                      |   |
| 1024     | 0.009388   | 5T4 oncofetal trophoblast glycoprotein  | NM_006670     | Hs.82128             | NP 006661                               |
| ,02.     | 0.00000    | (5T4), mRNA /cds=(85,1347)  | 00007.0       | 110.02120            |   |
|          |            |   |               |                      | 87                                      |
|          |            | /gb=NM_006670 /gi=5729717   | ,             | *                    |   |
|          |            | /ug=Hs.82128 /len=2053  |               |                      | *                                       |
| 1030     | 0.007807   | px19-like protein (PX19), mRNA  | NM_013237     | Hs.279529            | NP_037369                               |
|          |            | /cds=(177,836) /gb=NM_013237  |               |                      |   |
| -        |            | /gi=7019508 /ug=Hs.279529 /len=1217   |               |                      |   |
|          | 1.0        | /gi=70100007dg=113.2700207ieii=12.17  | 17            |                      | ,                                       |
| 1001     | 0.0000     |   |               |                      | N.D                                     |
| 1031     | 0.03788    | decorin (DCN), transcript variant A1,   | NM_001920     | Hs.433989            | NP_598014                               |
|          |            | mRNA /cds=(200,1279)  |               |                      |   |
|          |            | /gb=NM_001920 /gi=19743844  |               |                      |   |
|          |            | /ug=Hs.433989 /len=1751   |               |                      |   |
| 1035     | 0.025911   | NADH dehydrogenase (ubiquinone) 1   | NM 002488     | Hs.163867            | NP 002479                               |
| 1033     | 0.023911   |   | NIVI_002466   | 175.103007           | NF_002479                               |
|          | 10.        | alpha subcomplex, 2, 8kDa (NDUFA2),   | т .           |                      | * *                                     |
| f e<br>5 |            | mRNA /cds=(57,356) /gb=NM_002488  |               |                      |   |
|          |            | /gi=4505354 /ug=Hs.163867 /len=590  |               |                      |   |
|          | . •        |   |               |                      |   |
| 1043     | 0.022106   | mRNA for KIAA1376 protein, partial  | AB037797      | Hs.24684             | * |
| 1043     | 0.022100   |   | MBUSTIBI      | JITS.24004           | *                                       |
|          |            | cds. /cds=(144,1457) /gb=AB037797   |               |                      |   |
| *1       |            | /gi=7243132 /ug=Hs.24684 /len=4131  |               |                      |   |
| 1054     | 0.025911   | NADH dehydrogenase (ubiquinone) 1   | NM 005000     | Hs.83916             | NP 004991                               |
|          |            | alpha subcomplex, 5, 13kDa  | · · · ·       |                      | _                                       |
|          |            | (NDUFA5), nuclear gene encoding   |               |                      |   |
|          |            |   |               |                      |   |
| ÷        |            | mitochondrial protein, mRNA   |               |                      |   |
|          |            | /cds=(110,460) /gb=NM_005000  | *             | *                    |   |
|          |            | /gi=13699821 /ug=Hs.83916 /len=1550   |               |                      |   |
| •        |            |   |               |                      |   |
| 1057     | 0.035177   | mRNA for KIAA1609 protein, partial  | AB046829      | Hs.14449             |   |
|          | 1 3.333.,, | cds. /cds=(1,1423) /gb=AB046829   | 1 20 10020    |                      |   |
|          |            |   |               |                      |   |
| •        |            | /gi=15425661 /ug=Hs.14449 /len=4683   |               |                      |   |
|          |            |   |               |                      |   |
| 1059     | 0.035177   | clone IMAGE:4993796, mRNA   | BC040073      | Hs.322437            |   |
|          |            | /gb=BC040073 /gi=25455647   |               | 1                    | 1                                       |
|          |            |   | 100           | 000                  | 3                                       |
|          |            | /ug=Hs 322437 /len=2265   |               |                      |   |
| 1064     | 0.425.04   | /ug=Hs.322437 /len=2265   | NIM 002004    | Un 04200             | ND 570004                               |
| 1061     | 9.43E-04   | synaptosomal-associated protein,  | NM_003081     | Hs.84389             | NP_570824                               |
| 1061     | 9.43E-04   | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,   |               | Hs.84389             | NP_570824                               |
| 1061     | 9.43E-04   | synaptosomal-associated protein,  |               | Hs.84389             | NP_570824                               |
| 1061     | 9.43E-04   | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,<br>mRNA /cds=(213,833) /gb=NM_003081  |               | Hs.84389             | NP_570824                               |
| 1061     | 9.43E-04   | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,   |               | Hs.84389             | NP_570824                               |
|          | ×          | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,<br>mRNA /cds=(213,833) /gb=NM_003081<br>/gi=18765732 /ug=Hs.84389 /len=2053   |               | Hs.84389             |   |
| 1061     | ×          | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,<br>mRNA /cds=(213,833) /gb=NM_003081<br>/gi=18765732 /ug=Hs.84389 /len=2053<br>mitochondria solute carrier protein                                    |               | Hs.84389             | NP_570824<br>NP_061049                  |
|          | 0.001459   | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,<br>mRNA /cds=(213,833) /gb=NM_003081<br>/gi=18765732 /ug=Hs.84389 /len=2053<br>mitochondria solute carrier protein<br>(MSCP)                          | AY032628      | Hs.84389             | NP_061049                               |
|          | 0.001459   | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,<br>mRNA /cds=(213,833) /gb=NM_003081<br>/gi=18765732 /ug=Hs.84389 /len=2053<br>mitochondria solute carrier protein<br>(MSCP)                          |               |                      |   |
| 1064     | 0.001459   | synaptosomal-associated protein, 25kDa (SNAP25), transcript variant 1, mRNA /cds=(213,833) /gb=NM_003081 /gi=18765732 /ug=Hs.84389 /len=2053 mitochondria solute carrier protein (MSCP) glutaredoxin (thioltransferase) (GLRX), | AY032628      | Hs.84389<br>Hs.28988 | NP_061049                               |
| 1064     | 0.001459   | synaptosomal-associated protein,<br>25kDa (SNAP25), transcript variant 1,<br>mRNA /cds=(213,833) /gb=NM_003081<br>/gi=18765732 /ug=Hs.84389 /len=2053<br>mitochondria solute carrier protein<br>(MSCP)                          | AY032628      |                      | NP_061049                               |

|       |             | nding To Differentially Express d Gen      |   | IVA       | D                                     |
|-------|-------------|--|---|-----------|---------------------------------------|
| Spot  | p-value     | Description                                | Gen                                       | Unigen    | Protein                               |
| 47    |             | × .  | Accession No.                             | Accession | Accession                             |
|       |             |  |   | No.       | No.                                   |
| 1090  | 0.014599    | protein phosphatase methylesterase-1       | NM_016147                                 | Hs.63304  | NP_057231                             |
|       | -           | (PME-1), mRNA /cds=(100,1260)              |   |           |                                       |
|       |             | /gb=NM_016147 /gi=7706644                  | a J                                       | 1         |                                       |
|       | ,           | /ug=Hs.63304 /len=2484                     |   |           |                                       |
| 1093  | 0.025911    | hypothetical gene AK023725                 | XM 048072                                 |           | 1                                     |
|       |             | (LOC92923)                                 | *   |           |                                       |
| 1111  | 0.020388    | hypothetical protein (HSPC016), mRNA       | NM 015933                                 | Hs.397853 | NP_057017                             |
|       | 0.02000     | /cds=(39,233) /gb=NM_015933                | 10  |           |                                       |
| ~     |             | /gi=7705430 /ug=Hs.397853 /len=384         |   |           |                                       |
|       | •           | /gi=/ / 00400 /ug=/ 13:00/ 000 /icii=004   |   | 0.2       | .,.                                   |
| 1113  | 0.042700    | nischarin (NISCH), mRNA                    | NM 007184                                 | Hs.26285  | NP 009115                             |
| 1113  | 0.043799    |  | 14141_007 104                             | 13.20200  | _009113                               |
| 15.04 |             | /cds=(27,4541) /gb=NM_007184               | 4 2 7                                     | 130       | 1.                                    |
| 4444  |             | /gi=6005787 /ug=Hs.26285 /len=5132         | NIM 000407                                | Un 404007 | ND 000000                             |
| 1115  | 0.043/99    | H3 histone, family 3A (H3F3A), mRNA        | NM_002107                                 | Hs.181307 | NP_002098                             |
|       |             | /cds=(116,526) /gb=NM_002107               | · · · · · ·                               | * *       | *                                     |
|       |             | /gi=22027640 /ug=Hs.181307                 | 4.4 · · · · · · · · · · · · · · · · · ·   |           |                                       |
| 11.   |             | /len=1047                                  | 17 1                                      |           |                                       |
| 1119  | 0.005325    | pp9974 mRNA, complete cds                  | AF318382                                  | Hs.251664 |                                       |
| ٠,,,  |             | /cds=(2009,2350) /gb=AF318382              |   | y         |                                       |
|       |             | /gi=18027855 /ug=Hs.251664                 |   | ,         | ,                                     |
|       |             | /len=2630                                  | <i>3</i> .                                |           | * * *                                 |
| 1131  | 0.013394    | actinin, alpha 1 (ACTN1), mRNA             | NM_001102                                 | Hs.119000 | NP 001093                             |
|       |             | /cds=(184,2862) /gb=NM_001102              |   |           |                                       |
|       | 00000       | /gi=12025669 /ug=Hs 119000                 |   |           |                                       |
| . +   |             | /len=3398                                  |   |           |                                       |
| 1148  | 0.025911    | CHLORIDE INTRACELLULAR                     | Q9Z1Q5                                    |           |                                       |
| 1140  | 0.020311    | CHANNEL PROTEIN 1 (NUCLEAR                 | G02190                                    |           |                                       |
|       |             | CHLORIDE ION CHANNEL 27)                   |   |           |                                       |
|       |             |  | - X                                       |           | -3                                    |
| 4400  | 0.007007    | (NCC27) (P64 CLCP) (aa 2e-14 92%)          | NIM ODOEDO                                | Un GEAEO  | ND 700550                             |
| 1163  | 0.007807    | reticulon 4 (RTN4), mRNA                   | NM_020532                                 | Hs.65450  | NP_722550                             |
| ** .  | :           | /cds=(245,3823) /gb=NM_020532              | 2.* · · · · · · · · · · · · · · · · · · · |           |                                       |
|       |             | /gi=24638438 /ug=Hs.65450 /len=4166        |   |           |                                       |
|       |             |  |   |           | ×                                     |
| 1177  | 0.025911    | cDNA FLJ11739 fis, clone                   | AK021801                                  | Hs.301626 |                                       |
|       | . 0         | HEMBA1005497. /gb=AK021801                 |   |           | 1                                     |
|       |             | /gi=10433061 /ug=Hs.301626                 |   | 1         | *                                     |
| -     | . ;         | /len=2366                                  |   |           |                                       |
| 1187  | 0.02801     | serine (or cysteine) proteinase inhibitor, | NM_000295                                 | Hs.297681 | NP_000286                             |
|       | *           | clade A (alpha-1 antiproteinase,           |   |           |                                       |
|       |             | antitrypsin), member 1 (SERPINA1),         |   |           | *                                     |
|       |             | mRNA /cds=(233,1489)                       | *   |           |                                       |
|       |             | /gb=NM_000295 /gi=21361197                 |   | *         |                                       |
|       |             | /ug=Hs.297681 /len=1584                    | *   |           | ,                                     |
| 1200  | 0.006463    | hypothetical gene supported by             | XM_000590                                 | 177       | · · · · · · · · · · · · · · · · · · · |
| 1200  | 1 0.000,700 | XM_000590 (LOC59176)                       | /ooooo                                    |           | 1                                     |

| Genes | Corr spor | nding To Differentially Expr ssed Gen  | es in Figure 20 -     | RA                          |                             |
|-------|-----------|--|-----------------------|-----------------------------|-----------------------------|
|       | p-value   | Description  | Gene<br>Accession No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 1207  | 0.021     | PTPRF interacting protein, binding protein 1 (liprin beta 1) (PPFIBP1), mRNA /cds=(241,3258)   | NM_003622             | Hs.133207                   | NP_803193                   |
|       |           | /gb=NM_003622 /gi=4505986<br>/ug=Hs.133207 /len=4028   |                       |                             |                             |
| 1210  | 0.007807  | NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase) (NDUFS1), mRNA /cds=(85,2268) /gb=NM_005006 /gi=28269700 /ug=Hs 8248 /len=2382                 | NM_005006             | Hs.8248                     | NP_004997                   |
| 1212  | 0.03788   | suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) (ST13), mRNA /cds=(144,1253) /gb=NM_003932 /gi=21237722 /ug=Hs.119222 /len=3214                   | NM_003932             | Hs.119222                   | NP_003923                   |
| 1222  | 0.047031  | zinc finger protein 9 (a cellular retroviral nucleic acid binding protein) (ZNF9), mRNA /cds=(103,636) /gb=NM_003418 /gi=4827070 /ug=Hs.2110 /len=1500                           | _                     | Hs.2110                     | NP_003409                   |
| 1236  | 0.035177  | matrix metalloproteinase 9 (gelatinase<br>B, 92kDa gelatinase, 92kDa type IV<br>collagenase) (MMP9), mRNA<br>/cds=(20,2143) /gb=NM_004994<br>/gi=4826835 /ug=Hs.151738 /len=2334 | NM_004994             | Hs.151738                   | NP_004985                   |
| 1244  | 0.011447  | KIAA0625 protein (KIAA0625), mRNA<br>/cds=(267,2753) /gb=NM_015046<br>/gi=7662211 /ug=Hs.154919 /len=3097  | NM_015046             | Hs.154919                   | NP_055861                   |
| 1246  | 0.033876  | mRNA; cDNA DKFZp686B2110 (from clone DKFZp686B2110) /gb=AL832120 /gi=21732663 /ug=Hs.432506 /len=4383  |                       | Hs.432506                   | -                           |
| 1254  | 0.005325  | DKFZp586I0923 (from clone<br>DKFZp586I0923)  | AL050218              |                             |                             |
| 1260  |           | F-box only protein 2 (FBXO2), mRNA<br>/cds=(343,1233) /gb=NM_012168<br>/gi=15812197 /ug=Hs.132753<br>/len=1551   | NM_012168             | Hs.132753                   | NP_036300                   |
| 1261  | 0.002565  | cDNA FLJ11971 fis, clone<br>HEMBB1001208. /gb=AK022033<br>/gi=10433350 /ug=Hs.121806<br>/len=2355  | AK022033              | Hs.121806                   |                             |

| G nes Corresponding To Diff r ntially Expressed Gen s in Figure 20 - RA |          |  |               |           |           |  |
|---|----------|--|---------------|-----------|-----------|--|
| Spot  | p-value  | Description                                  | Gene          | Unigene   | Protein   |  |
|   | . •      |  | Accession No. | Accession | Accession |  |
|   | *        |  |               | No.       | No.       |  |
| 1275  | 0.002337 |  | NM_017510     | Hs.279929 | NP_059980 |  |
|   |          | /cds=(76,720) /gb=NM_017510                  |               |           |           |  |
| -   |          | /gi=24475637 /ug=Hs.279929                   | . 1           | ,         | 4         |  |
|   |          | /len=1420                                    |               |           | · 2       |  |
| 1327  | 0.035177 | peptide transporter 3 (PHT2), mRNA           | NM_016582     | Hs.237856 | NP_057666 |  |
|   |          | /cds=(235,1980) /gb=NM_016582                | •             |           |           |  |
|   |          | /gi=7706116 /ug=Hs.237856 /len=2113          | 7 :           |           |           |  |
| -   |          | **   |               |           | <u> </u>  |  |
| 1328  | 0.003563 | mRNA for KIAA0841 protein, partial           | AB020648      | Hs.7426   |           |  |
|   | 2        | cds. /cds=(1,1926) /gb=AB020648              |               |           |           |  |
|   |          | /gi=4240170 /ug=Hs.7426 /len=4283            |               | 35        |           |  |
| 1345  | 0.001193 | WW domain binding protein 1 (WBP1),          | NM_012477     | Hs.7709   | NP_036609 |  |
|   |          | mRNA /cds=(154,963) /gb=NM_012477            |               | * *       | W         |  |
|   |          | /gi=24430130 /ug=Hs:7709 /len=1183           |               |           |           |  |
|   |          |  | 1             |           |           |  |
| 1348  | 0.002297 | col4A1 gene, 3'                              | X92395        | -         |           |  |
| 1360  | 0.025911 | chromosome 15 open reading frame 15          | NM_016304     | Hs.284162 | NP_057388 |  |
|   |          | (C15orf15), mRNA /cds=(144,635)              |               |           |           |  |
|   |          | /gb=NM_016304 /gi=18491027                   |               |           | *         |  |
|   |          | /ug=Hs.284162 /len=1487                      | *             |           |           |  |
| 1376  | 0.013394 | chaperonin containing TCP1, subunit 5        | NM 012073     | Hs.1600   | NP_036205 |  |
|   |          | (epsilon) (CCT5), mRNA                       | - 100         | :         | _         |  |
|   |          | /cds=(92,1717) /gb=NM_012073                 |               | *         |           |  |
|   |          | /gi=24307938 /ug=Hs.1600 /len=1961           |               |           |           |  |
| 1401  | 0.00587  | prosaposin (variant Gaucher disease          | NM 002778     | Hs.406455 | NP 002769 |  |
| ,   | . *•     | and variant metachromatic                    |               | **        | • -       |  |
| · . · · ·   |          | leukodystrophy) (PSAP), mRNA                 |               |           |           |  |
|   |          | /cds=(39,1613) /gb=NM_002778                 |               |           |           |  |
|   |          | /gi=11386146 /ug=Hs.406455                   |               |           | -7:       |  |
|   | i,       | /len=2767                                    |               |           |           |  |
| 1406  | 0.004367 | fibrillin 1 (Marfan syndrome) (FBN1),        | NM_000138     | Hs.750    | NP_000129 |  |
|   |          | mRNA /cds=(134,8749)                         |               |           |           |  |
| 1.  |          | /gb=NM_000138 /gi=24430140                   |               | 4 %       | :         |  |
|   |          | /ug=Hs.750 /len=9749                         | * *           |           | *         |  |
| 1407  | 3.95E-04 | zinc finger protein 9 (a cellular retroviral | NM_003418     | Hs.2110   | NP_003409 |  |
|   | * *      | nucleic acid binding protein) (ZNF9),        |               |           | :         |  |
|   |          | mRNA /cds=(103,636) /gb=NM_003418            |               |           |           |  |
|   |          | /gi=4827070 /ug=Hs.2110 /len=1500            | * **          |           |           |  |
|   |          |  |               |           |           |  |
| 1408  | 2.32E-04 | dihydrolipoamide dehydrogenase (E3           | NM_000108     | Hs.74635  | NP_000099 |  |
| . '   |          | component of pyruvate dehydrogenase          | , T           | 1         | -         |  |
|   |          | complex, 2-oxo-glutarate complex,            |               |           |           |  |
|   | · .      | branched chain keto acid                     | · .           |           | r-        |  |
|   |          | dehydrogenase complex) (DLD),                | ·             | :         |           |  |
|   |          | mRNA /cds=(83,1612) /gb=NM_000108            |               |           |           |  |
|   |          | /gi=5016092 /ug=Hs.74635 /len=2320           | (             | 0         |           |  |
|   | 1        | 1  |               | 1         | ì .       |  |

| Genes | Correspoi   | nding To Differentially Expr ssed Gen   | s in Figure 20 -                        | RA          |                                   |
|-------|-------------|---|---|-------------|-----------------------------------|
|       |             | Description                             | Gen                                     | Unigene     | Protein                           |
| Ţ     |             |   | Accession No.                           | Accession   | Accession                         |
|       |             |   | 7                                       | No.         | No.                               |
| 1409  | 0.014599    | KDEL (Lys-Asp-Glu-Leu) endoplasmic      | NM_006854                               | Hs.372755   | NP_006845                         |
|       | - 00 00 00  | reticulum protein retention receptor 2  |   | ,           |                                   |
| * :   | •           | (KDELR2), mRNA /cds=(13,651)            | 1                                       |             |                                   |
|       |             | /gb=NM_006854 /gi=8051609               |   |             |                                   |
|       |             | /ug=Hs.372755 /len=1153                 |   |             |                                   |
| 1410  | 0.003947    | fragile X mental retardation, autosomal | NM_005087                               | Hs.82712    | NP_005078                         |
|       |             | 1 (FXR1), mRNA /cds=(13,1878)           |   |             | *                                 |
|       |             | /gb=NM_005087 /gi=4826735               |   | *           |                                   |
|       |             | /ug=Hs.82712 /len=2132                  |   | <u> </u>    |                                   |
| 1413  | 9.43E-04    | vacuolar protein sorting 29 (yeast)     | NM_057180                               | Hs.69192    | NP_476528                         |
|       |             | (VPS29) transcript variant 2, mRNA      |   |             |                                   |
|       |             | /cds=(61,621) /gb=NM_057180             | 8                                       | ,           |                                   |
|       |             | /gi=17402911 /ug=Hs.69192 /len=1107     | •                                       |             | 7.                                |
|       |             |   |   |             |                                   |
| 1417  | 0.03788     | phosphoglycerate mutase 1 (brain)       | NM_002629                               | Hs.181013   | NP_002620                         |
|       |             | (PGAM1), mRNA /cds=(32,796)             |   |             |                                   |
|       |             | /gb=NM_002629 /gi=4505752               |   |             |                                   |
| 4.440 | 0.000040    | /ug=Hs.181013 /len=1709                 | NIN 000075                              |             | ND 00000                          |
| 1418  | 0.030249    | voltage-dependent anion channel 2       | NM_003375                               | Hs:78902    | NP_003366                         |
|       | ×           | (VDAC2), mRNA /cds=(63,947)             |   | . (         | •                                 |
|       |             | /gb=NM_003375 /gi=4507880               | · · · · · · · · · · · · · · · · · · ·   |             |                                   |
| 4440  | 0.000040    | /ug=Hs.78902 /len=1404                  | NIM COACE                               | 11. 0.1000  | NID 004040                        |
| 1419  | 0.030249    | CD74 antigen (invariant polypeptide of  | NM_004355                               | Hs.84298    | NP_004346                         |
|       |             | major histocompatibility complex, class | 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |             |                                   |
|       | *           | II antigen-associated) (CD74), mRNA     |   |             |                                   |
|       |             | /cds=(8,706) /gb=NM_004355              | ]                                       |             |                                   |
|       |             | /gi=10835070 /ug=Hs.84298 /len=1304     |   | ļ., ,       |                                   |
| 1426  | 0.033636    | chemokine (C-C motif) ligand 13         | NM 005408                               | Hs.11383    | NP_005399                         |
| 1420  | 0.032030    | (CCL13), mRNA /cds=(76,372)             | 1NM_003408                              | П5. 1 1303  | INF_005599                        |
|       | *           | /gb=NM 005408 /gi=22538799              | *                                       |             |                                   |
|       | ,           | /ug=Hs.11383 /len=861                   | *                                       |             | *                                 |
| 1430  | 0.001339    | synovial sarcoma, X breakpoint 2        | NM_014021                               | Hs.22587    | NP_054740                         |
| 30    | 0.001009    | interacting protein (SSX2IP), mRNA      | 1.1111_017021                           | 11 13.22007 | 141 _004740                       |
| i .   |             | /cds=(265,2109) /gb=NM 014021           |   | * *         | ·()-                              |
|       |             | /gi=7662381 /ug=Hs.22587 /len=5835      |   |             | . ,                               |
| 1442  | 6.56F-04    | amyotrophic lateral sclerosis 2         | NM 015049                               | Hs.154248   | NP 055864                         |
|       | 0.002       | (juvenile) chromosome region,           | 11111_0.0010                            |             |                                   |
|       |             | candidate 3 (ALS2CR3), mRNA             |   |             |                                   |
|       |             | /cds=(382,3126) /gb=NM_015049           |   |             |                                   |
|       |             | /gi=13027379 /ug=Hs.154248              |   |             |                                   |
|       |             | /len=6470                               | * .                                     | * .         |                                   |
| 1443  | 0.00168     | cDNA FLJ13106 fis, clone                | AK023168                                | Hs.12707    | 7 · 2 · 2 · 1 · 1 · 1 · 1 · 1 · 1 |
| '     | -           | NT2RP3002455, highly similar to         |   |             |                                   |
|       |             | mRNA for KIAA0678 protein.              |   |             |                                   |
| *     |             | /gb=AK023168 /gi=10434970               | ;                                       | `.          |                                   |
|       |             | /ug=Hs.12707 /len=3985                  | 1                                       |             |                                   |
|       | <del></del> | <u> </u>                                | <del></del>                             |             | I                                 |

| Genes         | Correspon | nding To Differentially Expressed Gen   | es in Figure 20 - | RA J       |   |
|---------------|-----------|---|-------------------|------------|---|
| Spot          | p-value   | Description                             | Gene              | Unigene    | Protein                                 |
| 9             |           |   | Accession No.     | Accession  | Accession (                             |
|               |           |   |                   | No.        | No.                                     |
| 1445          | 6.35E-05  | nuclear receptor coactivator 6          | NM 014071         | Hs.159613  | NP 054790                               |
| e e · · · · i |           | (NCOA6), mRNA /cds=(2755,8760)          |                   |            | · <del>-</del>                          |
| •             |           | /gb=NM_014071 /gi=7661975               |                   |            | 1                                       |
|               |           | /ug=Hs.159613 /len=9301                 |                   | -          |   |
| 1449          | 0.047031  | apoptosis related protein APR-3 (APR-   | NM 016085         | Hs.9527    | NP_542159                               |
|               |           | 3), transcript variant 1, mRNA          |                   |            |   |
|               |           | /cds=(336,851) /gb=NM 016085            |                   | 4          |   |
|               |           | /gi=18105011 /ug=Hs.9527 /len=1086      |                   | •          | ,                                       |
| 1453          | 0.030249  | methyl-CpG binding domain protein 2     | NM 015832         | Hs.25674   | NP 056647                               |
|               | 14        | (MBD2), transcript variant testis-      |                   |            |   |
|               | 1:        | specific, mRNA /cds=(230,1138)          | *                 |            |   |
|               |           | /gb=NM_015832 /gi=21464120              |                   | *          |   |
|               |           | /ug=Hs.25674 /len=2792                  |                   |            | 7                                       |
| 1458          | 0.032636  | Williams-Beuren syndrome                | NM 022170         | Hs.180900  | NP 114381                               |
|               |           | chromosome region 1 (WBSCR1),           | · · · ·           |            |   |
|               |           | transcript variant 1, mRNA /cds=(9,755) |                   | , y        |   |
|               |           | /gb=NM_022170 /gi=11559922              |                   |            |   |
|               |           | /ug=Hs.180900 /len=2546                 |                   |            |   |
|               |           |   |                   |            |   |
| 1459          | 0.023945  | GABA(A) receptor-associated protein     | NM_007278         | Hs.7719    | NP_009209                               |
|               | 360       | (GABARAP), mRNA /cds=(105,458)          | - · · · · -       |            |   |
|               | - 22      | /gb=NM_007278 /gi=6005763               | * .               |            |   |
|               |           | /ug=Hs.7719 /len=924                    | 9 t No 19         |            |   |
| 1461          | 0.018784  | phosphoglycerate kinase 1 (PGK1),       | NM_000291         | Hs.78771   | NP 000282                               |
|               |           | mRNA /cds=(70,1323) /gb=NM_000291       |                   |            |   |
|               |           | /gi=22095338 /ug=Hs.78771 /len=2338     | • • •             | •)(•       |   |
|               |           |   |                   | :          | ,                                       |
| 1465          | 0.02801   | splicing factor 3b, subunit 1, 155kDa   | NM 012433         | Hs.334826  | NP 036565                               |
|               |           | (\$F3B1), mRNA /cds=(1,3915)            |                   |            | _                                       |
|               | -         | /gb=NM_012433 /gi=6912653               |                   |            |   |
|               | 1 1       | /ug=Hs.334826 /len=4259                 |                   |            |   |
| 1475          | 2.32E-04  | KIAA0193 gene product (KIAA0193),       | NM_014766         | Hs.75137   | NP_055581                               |
|               |           | mRNA /cds=(353,1393)                    |                   | * (1)      |   |
| 1             |           | /gb=NM_014766 /gi=7661983               |                   |            |   |
|               |           | /ug=Hs.75137 /len=5076                  |                   | a major it |   |
| 1478          | 0.018784  | interferon induced transmembrane        | NM_003641         | Hs.366     | * • • • • • • • • • • • • • • • • • • • |
|               |           | protein 1 (9-27) (IFITM1), mRNA         | 0.5               | 4          |   |
|               | ļ ·.      | /cds=(111,488) /gb=NM_003641            |                   |            |   |
| 337           |           | /gi=4504580 /ug=Hs.366 /len=647         |                   |            |   |
| 1490          | 0.047031  | ARP3 actin-related protein 3 (yeast)    | NM_005721         | Hs.380096  | NP_005712                               |
|               |           | (ACTR3), mRNA /cds=(216,1472)           |                   |            | ,                                       |
|               | У.        | /gb=NM_005721 /gi=7262289               | <u> </u>          |            |   |
| - 2           | <u> </u>  | /ug=Hs.380096 /len=2189                 |                   |            |   |
| 1494          | 0.032636  | basic leucine zipper and W2 domains 2   | NM_014038         | Hs.5216    | NP_054757                               |
|               |           | (BZW2), mRNA /cds=(163,1422)            |                   |            | <del></del>                             |
| \             |           | /gb=NM_014038 /gi=7661743               | *, .              |            | ·                                       |
|               | 1         | /ug=Hs.5216 /len=1869                   |                   |            |   |

|      |           | nding To Differentially Expr ssed Gen                                      |                |              | 1.          |
|------|-----------|--|----------------|--------------|-------------|
| Spot | p-value   | Description  | Gene           | Unigene      | Protein     |
| -    | ,         |  | Accession No.  | Accession    | Accession   |
|      |           | <u> </u>   |                | No.          | No.         |
| 1498 | 0.016299  | guanine nucleotide binding protein (G                                      | NM_005274      | Hs.424138    | NP_005265   |
|      |           | protein), gamma 5 (GNG5), mRNA   |                |              | 1           |
| ••   |           | /cds=(334,540) /gb=NM_005274   |                |              | -           |
| }    |           | /gi=4885286 /ug=Hs.424138 /len=698   |                |              |             |
| 1499 | 0.006463  | ectonucleotide   | NM_006208      | Hs.11951     | NP_006199   |
| -    |           | pyrophosphatase/phosphodiesterase 1  |                |              | -           |
|      | × -       | (ENPP1), mRNA /cds=(173,2794)  | *              |              | 9           |
|      |           | /gb=NM_006208 /gi=13324676   | 1              |              |             |
| 4500 | 0.040754  | /ug=Hs.11951 /len=3493   | j.             | 11-12-21     | 115 255000  |
| 1502 | 0.040751  | putative dimethyladenosine transferase                                     | NM_014473      | Hs.125819    | NP_055288   |
| * .  | • *       | (HSA9761), mRNA /cds=(79,1020)   |                |              | . 0         |
|      |           | /gb=NM_014473 /gi=7657197  |                |              |             |
|      |           | /ug=Hs.125819 /len=1505  |                |              |             |
| 1500 | 0.005252  | septin 2 (SEP2) mRNA, partial cds  | AE47000E       | 11- 00740    |             |
| 1506 | 0.005555  |  | AF179995       | Hs.80712     |             |
|      | , 101     | /cds=(1,1528) /gb=AF179995   |                |              |             |
| 1519 | 0.043700  | /gi=9957543 /ug=Hs.80712 /len=4344<br>step II splicing factor SLU7 (SLU7), | NM 006425      | Hs.356551    | NP_006416   |
| 1519 | 0.043799  | mRNA /cds=(82,1842) /gb=NM 006425  |                | П5.330331    | INP_000416  |
|      | * * 4     | /gi=27477110 /ug=Hs.356551   | x- 7 × 5       | *            |             |
|      |           | /len=2030  |                |              |             |
| 1522 | 0.043700  | G protein-coupled receptor 64  | NM 005756      | Hs.184942    | NP 005747   |
| 1022 | 0.040733  | (GPR64), mRNA /cds=(73,3117)   |                | 113.104342   | 141 _003/4/ |
|      | *         | /gb=NM_005756 /gi=5031732  |                | * *          |             |
|      |           | /ug=Hs.184942 /len=4665  |                |              |             |
| 1524 | 0.001339  | zinc finger protein 133 (clone pHZ-13)                                     | NM 003434      | Hs.78434     | NP 003425   |
|      |           | (ZNF133), mRNA /cds=(560,2521)   | 11111_000 10 1 | 1.0.7 0 10 1 |             |
|      |           | /gb=NM_003434 /gi=27545331   |                |              |             |
|      |           | /ug=Hs.78434 /len=2718   |                |              | j.,         |
| 1525 | 0.011238  | hypothetical protein FLJ10706  | NM 018186      | Hs.273193    | NP 060656   |
|      |           | (FLJ10706), mRNA /cds=(478,2634)   |                | *            |             |
|      |           | /gb=NM_018186 /gi=8922604  | *              |              |             |
|      |           | /ug=Hs.273193 /len=2732  |                |              |             |
| 1526 | .0.022106 | similar to rat myomegalin (LOC64182),                                      | NM_022359      | Hs.333512    | NP_071754   |
|      |           | mRNA /cds=(336,1268)   |                |              |             |
|      |           | /gb=NM_022359 /gi=21314705   |                | 18           |             |
|      |           | /ug=Hs.333512 /len=1717  |                |              |             |
| 1528 | 0.035177  | tubulin, alpha, ubiquitous (K-ALPHA-1),                                    | NM_006082      | Hs.334842    | NP_006073   |
| - '  |           | mRNA /cds=(68,1423) /gb=NM_006082  |                | * * *        |             |
|      | ٠.        | /gi=5174476 /ug=Hs.334842 /len=1596  | *              |              | . *         |
|      |           |  |                |              |             |
| 1546 |           | Maternally expressed 3   | AK092707.1     | Hs.112844    |             |
| 1553 | 0.003563  | lymphocyte cytosolic protein 1 (L-   | NM_002298      | Hs.381099    | NP_002289   |
|      |           | plastin) (LCP1), mRNA  |                |              |             |
|      |           | /cds=(174,2057) /gb=NM_002298  | 2.             |              | *           |
|      |           | /gi=7382490 /ug=Hs.381099 /len=3723  |                | 300          | · · ·       |
|      |           |  |                | L            | ,           |

|      |          | nding To Differentially Expressed Gen  |                       |                         |                      |
|------|----------|--|-----------------------|-------------------------|----------------------|
| Spot | p-value  | Description  | Gene<br>Accession No. | Unigene<br>Accession    | Protein<br>Accession |
| 1557 | 0.00587  | MR2-CI0186-291100-010-a06 CI0186   | BF814502              | <b>No.</b><br>Hs.446594 | No.                  |
|      |          | cDNA, mRNA sequence /gb=BF814502<br>/gi=12147047 /ug=Hs.446594 /len=530                        |                       | **                      |                      |
| 1558 | 0.007107 | signal-induced proliferation-associated  | NM_015556             | Hs.172180               | NP_056371            |
|      | *        | 1 like 1 (KIAA0440), mRNA<br>/cds=(349,5763) /gb=NM_015556                                     | <i>V</i>              |                         | - Ā.                 |
|      |          | /gi=7662125 /ug=Hs.172180 /len=6028  | - ·*.                 |                         |                      |
| 1559 | 0.003947 | stromal cell derived factor receptor 1 (SDFR1), transcript variant beta, mRNA                  | NM_012428             | Hs.389371               | NP_059429            |
|      |          | /cds=(139,1335) /gb=NM_012428<br>/gi=6912645 /ug=Hs.389371 /len=2388                           | *                     |                         |                      |
| 1565 | 0.003563 | NADH dehydrogenase (ubiquinone)  | NM_021075             | Hs.59745                | NP_066553            |
| 1000 | 0.005505 | flavoprotein 3, 10kDa (NDUFV3),<br>mRNA /cds=(575,1945)  | NIVI_021073           | INS.39745               | NF_000000            |
|      |          | /gb=NM_021075 /gi=21361323<br>/ug=Hs.59745 /len=2023   | *                     |                         |                      |
| 1567 | 0.025911 | RAD21 (S. pombe) (RAD21), mRNA<br>/cds=(185,2080) /gb=NM_006265                                | NM_006265             | Hs.81848                | NP_006256            |
|      |          | /gi=5453993 /ug=Hs.81848 /len=3647   |                       |                         | ***                  |
| 1575 | 0.013394 | WW domain-containing adapter with a coiled-coil region (WAC), transcript                       | NM_100264             | Hs.70333                | NP_567823            |
| *    |          | variant 2, mRNA /cds=(332,2140)<br>/gb=NM_100264 /gi=18379329<br>/ug=Hs.70333 /len=3088        |                       | ,                       | *                    |
| 1577 | 0.047031 | POM121 membrane glycoprotein (rat)<br>(POM121), mRNA /cds=(978,3932)                           | NM_172020             | Hs.295112               | NP_742017            |
|      |          | /gb=NM_172020 /gi=26051277<br>/ug=Hs_295112 /len=6014  |                       |                         |                      |
| 1613 | 0.011238 | IQ motif containing GTPase activating protein 1 (IQGAP1), mRNA                                 | NM_003870             | Hs.1742                 | NP_003861            |
| •    |          | /cds=(468,5441) /gb=NM_003870<br>/gi=4506786 /ug=Hs.1742 /len=7573                             | <br>                  |                         |                      |
| 1614 | 0.001339 | hypothetical protein FLJ10579<br>(FLJ10579), mRNA /cds=(186,1598)<br>/gb=NM 018145 /gi=8922531 | NM_018145             | Hs.8055                 | NP_060615            |
|      |          | /ug=Hs.8055 /len=2251  | *                     |                         |                      |
| 1628 | 0.03788  | 2 (APLP2), mRNA /cds=(73,2364)   | NM_001642             | Hs.279518               | NP_001633            |
| -);  |          | /gb=NM_001642 /gi=4502146<br>/ug=Hs.279518 /len=3727   | , ,                   |                         |                      |
| 1647 | 4.50E-04 | asporin (LRR class 1) (ASPN), mRNA<br>/cds=(228,1373) /gb=NM_017680                            | NM_017680             | Hs.10760                | NP_060150            |
|      |          | /gi=16596677 /ug=Hs.10760 /len=2466  |                       | , ,                     |                      |

|           |  | nding To Differentially Expressed Gen    |                    |            |            |
|-----------|--|--|--------------------|------------|------------|
| Spot      | p-value                                      | Description                              | Gene               | Unigene    | Protein    |
|           |  |  | Accession No.      | Accession  | Accession  |
|           |  |  |                    | No.        | No.        |
| 1648      | 0.018784                                     | mRNA; cDNA DKFZp564E193 (from            | AL049259           | Hs.333141  |            |
|           |  | clone DKFZp564E193) /gb=AL049259         | -                  | *          |            |
|           |  | /gi=4500005 /ug=Hs.333141 /len=1691      |                    |            |            |
|           | ,  | /gr 4500000 /ug 413,555 141 /ich 1051    | . \                | ·          |            |
| 1667      | 0.017288                                     | interleukin 1 receptor, type I (IL1R1),  | NM 000877          | Hs.82112   | NP_000868  |
| ,         | 0.0,7,200                                    | mRNA /cds=(83,1792) /gb=NM_000877        | ····· <del>·</del> |            |            |
|           | ·  | /gi=27894331 /ug=Hs.82112 /len=4909      | •                  | -8         |            |
|           |  |  |                    | 1          |            |
| 1674      | 0.007107                                     | calreticulin (CALR), mRNA                | NM 004343          | Hs.353170  | NP 004334  |
|           |  | /cds=(69,1322) /gb=NM_004343             |                    |            |            |
|           |  | /gi=5921996 /ug=Hs.353170 /len=1899      | • '                |            |            |
|           | ٠, '   | 191 002 1000 749 TIS.000 17 6 71011 1000 |                    |            |            |
| 1684      | 0.03788                                      | ubiquitin C (UBC), mRNA                  | NM 021009          | Hs.183704  | NP 066289  |
|           | 3.00.00                                      | /cds=(136,2193) /gb=NM 021009            |                    |            |            |
|           |  | /gi=20149305 /ug=Hs.183704               |                    |            | 0.1        |
|           |  | /len=2309                                |                    |            | * *        |
| 1686      | 0.007807                                     | CDC5 cell division cycle 5-like (S.      | NM 001253          | Hs.155174  | NP 001244  |
| .000      | 0.007007                                     | pombe) (CDC5L), mRNA                     | 11111_001200       | 113,100174 | _0012-4    |
|           |  | /cds=(260,2668) /gb=NM 001253            |                    |            | ľ          |
| 1 - 41, 5 |  | /gi=16357499 /ug=Hs.155174               |                    |            | F.,        |
|           |  | , ,                                      |                    |            |            |
| 4000      | 0.000040                                     | /len=3012                                | NA 000000          | 11- 204042 | ND 000004  |
| 1693      | 0.030249                                     | JTV1 gene (JTV1), mRNA                   | NM_006303          | Hs.301613  | NP_006294  |
| . '       |  | /cds=(114,1076) /gb=NM_006303            | * .                |            |            |
|           |  | /gi=11125769 /ug=Hs.301613               |                    |            |            |
| 4705      | 0.044040                                     | /len=1221                                | 4 5 6 6 6 6 4      |            | ND 050000  |
| 1705      |  | KIAA0824                                 | AB020631           | 11- 40400  | NP_056969  |
| 1707      | 0.040751                                     | tumor antigen SLP-8p (HCC8), mRNA        | NM_016516          | Hs.48499   | NP_057600  |
|           |  | /cds=(21,2921) /gb=NM_016516             |                    |            |            |
| 4700      | 0.000040                                     | /gi=7705396 /ug=Hs.48499 /len=3480       | 1,1/200014         |            | LUB COETOT |
| 1708      | 0.030249                                     | Hypothetical protein(cDNA FLJ13279       | AK023341           | ** .       | NP_005737  |
| ::        |  | fis, clone OVARC1001055, moderately      |                    |            |            |
| ×         |  | similar to PRE-B CELL ENHANCING          |                    |            | * * *      |
|           |  | FACTOR PRECURSOR)                        | -                  |            |            |
|           |  |  |                    |            |            |
| 1709      |  | KIAA0399                                 | AB007859           | 11. 7400   | NP_055928  |
| 1711      | 0.02801                                      | KIAA0682 gene product (KIAA0682),        | NM_014852          | Hs.7482    | NP_057280  |
|           |  | mRNA /cds=(80,2962) /gb=NM_014852        |                    |            |            |
|           | . •  | /gi=7662249 /ug=Hs.7482 /len=4422        | ;                  |            |            |
| 4700      | 0.044=0=                                     | 0.100                                    | NIA 005000         | 115 447004 | ND COECH   |
| 1722      | J U.U14599                                   | S100 calcium binding protein A11         | NM_005620          | Hs.417004  | NP_005611  |
|           |  | (calgizzarin) (S100A11), mRNA            |                    | 1          |            |
|           |  | /cds=(121,438) /gb=NM_005620             |                    |            |            |
|           | <u>.                                    </u> | /gi=5032056 /ug=Hs.417004 /len=595       |                    | 1          |            |
| 1725      | 0.007807                                     | ATPase, Ca transporting, cardiac         | NM_170665          | Hs.1526    | NP_733765  |
|           | 1  | muscle, slow twitch 2 (ATP2A2),          | :                  |            |            |
|           | 1  | transcript variant 1, mRNA               |                    |            | *          |
|           |  | /cds=(164,3292) /gb=NM_170665            |                    |            |            |
| ,         |  | /gi=27886537 /ug=Hs.1526 /len=4205       | 1                  |            |            |

| Genes Corresponding To Diff rentially Expressed Gen s in Figure 20 - RA |           |  |               |             |   |
|---|-----------|--|---------------|-------------|---|
| Spot  | p-value   | Description  | Gene          | Unigene     | Protein                                 |
|   |           |  | Accession No. | Accession   | Accession                               |
|   |           |  |               | No.         | No.                                     |
| 1734  | 0.004825  | prefoldin 5 (PFDN5), transcript variant            | NM_002624     | Hs.288856   | NP_665904                               |
|   | 1         | 1, mRNA /cds=(36,500)                              | *             |             |   |
|   |           | /gb=NM_002624 /gi=22202632                         |               |             |   |
|   |           | /ug=Hs.288856 /len=661                             |               |             | يرين فننسب                              |
| 1736  | 0.012276  | hypothetical protein FLJ21839                      | NM_021831     | Hs.433334   | NP_068603                               |
|   |           | (FLJ21839), mRNA /cds=(445,2619)                   |               | * '         |   |
|   |           | /gb=NM_021831 /gi=19923577                         |               |             | * 1                                     |
|   |           | /ug=Hs.433334 /len=3252                            |               |             | 1                                       |
| 1737  | 0.004367  | cytokine inducible SH2-containing                  | NM_007707.1   |             | NP_031733.                              |
| 0   |           | protein 3 (Cish3)                                  | · ·           |             |   |
| 1740  | 0.033876  | tumor necrosis factor receptor                     | NM_002546     | Hs.81791    | NP_002537                               |
|   |           | superfamily, member 11b                            |               |             |   |
| •   | 1 1 1     | (osteoprotegerin) (TNFRSF11B),                     |               | *           |   |
| •   |           | mRNA /cds=(252,1457)                               |               |             |   |
|   |           | /gb=NM_002546 /gi=22547122                         |               |             |   |
|   |           | /ug=Hs.81791 /len=2291                             |               |             |   |
| 1757  | 0.014599  | Similar to RIKEN cDNA 2310032N20                   | BC016142      | Hs.6289     | 7 7 4 4                                 |
| ÷ <sub>y</sub> .  |           | gene, clone MGC:9179                               |               |             |   |
|   | j '       | IMAGE:3909479, mRNA, complete cds                  |               |             |   |
|   |           | /cds=(43,873) /gb=BC016142                         |               | e · ·       |   |
|   | <u>.</u>  | /gi=16507947 /ug=Hs.6289 /len=2161                 |               |             |   |
|   |           | (=FLJ20886)  |               |             | -000                                    |
| 1772  | 0.004825  | hypothetical protein FLJ11011                      | NM_018299     | Hs.21275    | NP_060769                               |
|   | 0.00,1020 | (FLJ11011), mRNA /cds=(4,459)                      | 11.11_0 10200 | 110.21270   | 000,00                                  |
|   |           | /gb=NM 018299 /gi=8922821                          |               |             |   |
|   |           | /ug=Hs.21275 /len=2201                             | **            |             |   |
| 1794  | 0.007807  | cDNA FLJ13558 fis, clone                           | AK023620      | Hs.86043    | 1 |
| 1,54  | 9.907997  | PLACE1007743. /gb=AK023620                         | A11023020     | 113.00045   |   |
|   |           | /gi=10435601 /ug=Hs.86043 /len=2271                |               | 8           |   |
| · ·   |           | /gi=10433001 /dg=115.00043 /lei1=227 1             |               | a) -        |   |
| 1796  | 0.011220  | hypothetical protein MGC33901                      | NM_144987     | Hs.423753   | NP 659424                               |
| 1790  | 0.011236  | (MGC33901), mRNA /cds=(21,629)                     | 144901        | INS.423733  | INF_009424                              |
|   |           |  |               |             |   |
|   | 1 de 1    | /gb=NM_144987 /gi=21450690                         |               |             |   |
| 1797  | E 11E 04  | /ug=Hs.423753 /len=711<br>cDNA FLJ14066 fis, clone | AK024128      | Hs.306665   |   |
| 1191  | 3.11E-04  |  | MNU24120      | כמסטטנ.פרון |   |
|   | 14        | HEMBB1001197. /gb=AK024128                         |               |             |   |
|   | *         | /gi=10436433 /ug=Hs.306665                         |               |             | *                                       |
| 4700  | 0.00700   | /len=2086  | NIM 007400    | 11- 7744    | ND 000004                               |
| 1798  | 1 0.03788 | NADH dehydrogenase (ubiquinone)                    | NM_007103     | Hs.7744     | NP_009034                               |
|   |           | flavoprotein 1, 51kDa (NDUFV1),                    |               |             |   |
|   | 1.0       | mRNA /cds=(70,1464) /gb=NM_007103                  | 7             | -           |   |
|   |           | /gi=20149567 /ug=Hs.7744 /len=1566                 |               | Ç.          |   |
|   |           |  |               |             |   |
| 1805  | 0.014599  | matrilin 2 (MATN2), transcript variant 1,          | NM_002380     | Hs.19368    | NP_085072                               |
|   |           | mRNA /cds=(126,2996)                               |               |             | ,                                       |
|   |           | /gb=NM_002380 /gi=13518036                         |               |             |   |
| •   |           | /ug=Hs.19368 /len=3496                             |               |             | 1 .                                     |

| Spot      | p-value  | Description                                | Gen            | Unigene    | Protein      |
|-----------|----------|--|----------------|------------|--------------|
| opgi      | p raide  |  | Accession No.  | Accession  | Accession    |
|           |          |  |                | No.        | No.          |
| 1810      | 0.012276 | hypothetical protein FLJ12716              | NM_021942      | Hs.5354    | NP_068761    |
|           |          | (FLJ12716), mRNA /cds=(66,2513)            |                |            |              |
|           |          | /gb=NM_021942 /gi=21361577                 |                |            | <u>.</u>     |
| -         | -        | /ug=Hs.5354 /len=3522                      | * *            | 0          | 7.3.         |
| 1817      | 0.043799 | mRNA; cDNA DKFZp761P18121 (from            | AL834147       | Hs.44198   | ;            |
|           |          | clone DKFZp761P18121)                      |                |            | 1            |
|           |          | /cds=(127,2289) /gb=AL834147               | · .            |            | e.           |
|           | * .      | /gi=21739620 /ug=Hs.44198 /len=4286        | <u></u>        |            |              |
|           | *        |  |                |            |              |
| 1818      | 0.001339 | candidate mediator of the p53-             | NM_019845      | Hs.100890  | NP 062819    |
| * 14.     |          | dependent G2 arrest (REPRIMO),             |                |            | ,            |
|           |          | mRNA /cds=(244,573) /gb=NM_019845          | e (            |            |              |
|           |          | /gi=9790192 /ug=Hs.100890 /len=1510        | *              |            |              |
|           |          | 0.00102749 113.100030761121910             |                |            |              |
| 1853      | 0.008677 | hypothetical protein FLJ14153              | NM 022736      | Hs.7503    | NP_073573    |
| 1000      | 0.000011 | (FLJ14153), mRNA /cds=(31,1428)            | 14141_022130   | 113.7303   | 146 _0/ 30/3 |
| × 5. • •- |          | /gb=NM_022736 /gi=12232392                 |                | history    | N            |
|           |          |  | · 0            |            |              |
| 1050      | 0.005477 | /ug=Hs.7503 /len=2161                      | NINA 4 4 4 700 | 17- 050404 | ND: CERROLA  |
| 1856      | 0.035177 | hypothetical protein FLJ31121              | NM_144723      | Hs.350194  | NP_653324    |
|           |          | (FLJ31121), mRNA /cds=(15,614)             |                | _ `.       |              |
| •• - •    | α        | /gb=NM_144723 /gi=21389510                 |                |            |              |
|           |          | /ug=Hs.350194 /len=1512                    |                |            |              |
| 1872      | 0.043799 | suppressor of Ty 16 (S. cerevisiae)        | NM_007192      | Hs.14963   | NP_009123    |
|           | -        | (SUPT16H), mRNA /cds=(340,3483)            | 0              |            | 100          |
|           | - N      | /gb=NM_007192 /gi=19924176                 |                |            |              |
|           |          | /ug=Hs.14963 /len=4696                     |                |            |              |
| 1878      | 0.047031 | capping protein (actin filament), gelsolin | NM_001747      | Hs.82422   | NP_001738    |
|           |          | like (CAPG), mRNA /cds=(50,1096)           |                |            |              |
|           |          | /gb=NM_001747 /gi=4502560                  |                |            |              |
|           | * ,      | /ug=Hs.82422 /len=1221                     |                |            |              |
| 1880      | 0.032636 | ubiquitin carboxyl-terminal esterase L1    | NM_004181      | Hs.76118   | NP 004172    |
|           |          | (ubiquitin thiolesterase) (UCHL1),         | _              |            | _            |
|           |          | mRNA /cds=(75,746) /gb=NM_004181           |                | *          |              |
|           | . `      | /gi=21361090 /ug=Hs.76118 /len=1119        |                | 1          |              |
|           | 1        | 3  | 1              |            |              |
| 1889      | 0.001339 | tyrosine 3-monooxygenase/tryptophan        | NM_003405      | Hs.349530  | NP_003396    |
|           |          | 5-monooxygenase activation protein,        |                | 1.0.0.000  | 555556       |
|           |          | eta polypeptide (YWHAH), mRNA              |                |            |              |
|           | 9.1      | /cds=(198,938) /gb=NM ·003405              |                |            |              |
|           |          | /gi=21464102 /ug=Hs.349530                 |                | *          |              |
|           | -        | -  | · ' ' '        |            | 1.7          |
|           |          | /len=1775                                  | 0.             |            | ľ            |
| 4040      | 0.044500 | and FDDK side (as a company)               | NIM 005770     | 11-000740  | ND 00570     |
| 1913      | 0.014599 | small EDRK-rich factor 2 (SERF2),          | NM_005770      | Hs.380718  | NP_005761    |
|           |          | mRNA /cds=(1023,1319)                      | <u>;</u>       | • .        |              |
|           |          | /gb=NM_005770 /gi=21361286                 |                | ,          |              |
|           | I        | /ug=Hs.380718 /len=1408                    | -              | 1 '        | I            |

|         |          | nding To Differentially Expressed Gen                               |                       |                     |                      |
|---------|----------|---|-----------------------|---------------------|----------------------|
|         | p-value  | Description   | Gene<br>Accession No. | Unigen<br>Accession | Protein<br>Accession |
|         |          | ale de  | ALLESSION NO.         | No.                 | No.                  |
| 1923    | 0.018784 | polymerase (DNA directed), delta 2,                                 | NM 006230             | Hs.74598            | NP 006221            |
|         |          | regulatory subunit 50kDa (POLD2),                                   | =                     |                     |                      |
|         |          | mRNA /cds=(79,1488) /gb=NM_006230                                   |                       |                     | *                    |
|         |          | /gi=5453923 /ug=Hs.74598 /len=1584                                  |                       |                     |                      |
|         |          |   |                       |                     |                      |
| 1925    | 0.030249 | ADP-ribosyltransferase (NAD ; poly                                  | NM_001618             | Hs.177766           | NP_001609            |
|         |          | (ADP-ribose) polymerase) (ADPRT),                                   |                       |                     |                      |
|         |          | mRNA /cds=(160,3204)<br>/gb=NM 001618 /gi=11496989                  |                       | 3                   |                      |
| ٠.      | ,        | /ug=Hs 177766 /len=3859   | n                     |                     |                      |
| 1972    | 0.007107 | mitochondrion, complete genome                                      | NC 001807             | -                   | 7 2 2 2              |
| 1973    |          | keratin 8 (KRT8), mRNA  | NM_002273             | Hs.242463           | NP 002264            |
|         |          | /cds=(60,1511) /gb=NM_002273  | -1                    |                     | -                    |
|         |          | /gi=4504918 /ug=Hs.242463 /len=1752                                 |                       | *                   | *                    |
|         |          |   |                       |                     |                      |
| 1995    | 0.025911 | vacuolar protein sorting 28 (yeast)                                 | NM_016208             | Hs.339697           | NP_057292            |
|         |          | (VPS28), mRNA /cds=(62,727)   |                       | *-                  |                      |
|         |          | /gb=NM_016208 /gi=7705884   | * *                   |                     |                      |
| 1999    | 0.022626 | /ug=Hs.339697 /len=928  | NIM 014054            | He 105270           | ND 054772            |
| 1999    | 0.032636 | chromosome 20 open reading frame 40 (C20orf40), mRNA /cds=(208,396) | NNI_0 14054           | Hs.105379           | NP_054773            |
| + 1     |          | /gb=NM_014054 /gi=7661709   |                       |                     |                      |
| o, s, 1 | 0 11     | /ug=Hs.105379 /len=417  |                       |                     |                      |
| 2039    | 0.03788  | phosphatidyl inositol glycan class T                                | NM_015937             | Hs.84038            | NP 057021            |
|         |          | (PIGT), mRNA /cds=(20,1756)   | -                     |                     | - 1                  |
|         |          | /gb=NM_015937 /gi=23397652  |                       | 2 10                |                      |
| 1       |          | /ug=Hs.84038 /len=2171  |                       |                     |                      |
| 2042    | 0.047031 | ARF protein (LOC51326), mRNA  | NM_016632             | Hs.264509 -         | NP_057716            |
|         |          | /cds=(88,489) /gb=NM_016632<br>/gi=7706177 /ug=Hs.264509 /len=826   |                       |                     |                      |
| 2052    | 0.022106 | potassium large conductance calcium-                                | NM_002247             | Hs.89463            | NP_002238            |
| 2002    | 0.022100 | activated channel, subfamily M, alpha                               | 14141_002247          | 113.03403           | 141 _002230          |
|         |          | member 1 (KCNMA1), mRNA   |                       |                     |                      |
|         |          | /cds=(178,3714) /gb=NM_002247                                       |                       |                     |                      |
|         |          | /gi=26638649 /ug=Hs.89463 /len=6103                                 |                       |                     | 3                    |
|         |          |   |                       |                     | *                    |
| 2066    | 0.022106 | hypothetical protein FLJ35613                                       | NM_173653             | Hs.30022            | NP_775924            |
|         |          | (FLJ35613), mRNA /cds=(126,2063)                                    |                       |                     |                      |
|         |          | /gb=NM_173653 /gi=27734934<br>/ug=Hs.30022 /len=3568                |                       |                     |                      |
| 2069    | 0.032636 | zinc finger protein 36, C3H type-like 1                             | NM 004926             | Hs.85155            | NP 004917            |
|         | 0.002030 | (ZFP36L1), mRNA /cds=(131,1147)                                     | 1410_004320           | 113.00100           |                      |
| •       |          | /gb=NM 004926 /gi=15812179  |                       |                     |                      |
| ,       |          | /ug=Hs.85155 /len=3022  | ,                     |                     |                      |
| 2070    | 0.047031 | myotubular myopathy 1 (MTM1), mRNA                                  | NM_000252             | Hs.75302            | NP_000243            |
| 7       |          | /cds=(55,1866) /gb=NM_000252  |                       |                     |                      |
|         |          | /gi=4557895 /ug=Hs.75302 /len=3411                                  |                       |                     | * *                  |
|         | l        |   |                       |                     |                      |

|       |                                       | nding To Differentially Expr ssed G n   |                       |                             |                             |
|-------|---------------------------------------|---|-----------------------|-----------------------------|-----------------------------|
| Spot  | p-value                               | Description   | Gene<br>Accession No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 2083  | 0.023945                              | major histocompatibility complex, class I, B (HLA-B), mRNA /cds=(11,1099) /gb=NM_005514 /gi=21327676            | NM_005514             | Hs.77961                    | NP_005505                   |
|       |                                       | /ug=Hs.77961 /len=1310  | ****                  | ,                           |                             |
| 2090  | 0.020388                              | mitogen-activated protein kinase phosphatase x (MKPX), mRNA   | NM_020185             | Hs.29106                    | NP_064570                   |
|       |                                       | /cds=(449,1003) /gb=NM_020185<br>/gi=21314693 /ug=Hs.29106 /len=1520  |                       | ,                           |                             |
| 2093  | 0.022106                              | FYN binding protein (FYB-120/130)<br>(FYB), mRNA /cds=(31,2382)   | NM_001465             | Hs.58435                    | NP_001456                   |
| ,     | , , , , , , , , , , , , , , , , , , , | /gb=NM_001465 /gi=4503820<br>/ug=Hs.58435 /len=2400   |                       |                             |                             |
| 2131  | 0.004825                              | tumor endothelial marker 8 (TEM8),<br>transcript variant 1, mRNA  | NM_032208             | Hs.8966                     | NP_444262                   |
|       |                                       | /cds=(144,1838) /gb=NM_032208<br>/gi=14149903 /ug=Hs.8966 /len=5540   |                       |                             |                             |
| 2142  | 0.035177                              | KIAA0258 gene product (KIAA0258),<br>mRNA /cds=(86,1261) /gb=NM_014785  | NM_014785             | Hs.47313                    | NP_055600                   |
| 24.40 | 0.047024                              | /gi=7662029 /ug=Hs.47313 /len=6313  | NIM COZOCO            | 11- 474045                  | NP_031392                   |
| 2149  | 0.047031                              | phospholipase A2 receptor 1, 180kDa<br>(PLA2R1), mRNA /cds=(207,4604)<br>/gb=NM_007366 /gi=19923388             | NM_007366             | Hs.171945                   | NP_031392                   |
| 2150  | 0.023945                              | /ug=Hs.171945 /len=5633<br>ferritin, heavy polypeptide 1 (FTH1),  | NM_002032             | Hs.418650                   | NP_002023                   |
| 9=    |                                       | mRNA /cds=(92,664) /gb=NM_002032<br>/gi=4503794 /ug=Hs.418650 /len=801  |                       |                             |                             |
| 2161  | 0.017288                              | prosaposin (variant Gaucher disease and variant metachromatic   | NM_002778             | Hs.406455                   | NP_002769                   |
|       |                                       | leukodystrophy) (PSAP), mRNA<br>/cds=(39,1613) /gb=NM_002778<br>/gi=11386146 /ug=Hs.406455<br>/len=2767         |                       | *                           |                             |
| 2166  | 0.008566                              | nephroblastoma overexpressed gene<br>(NOV), mRNA /cds=(73,1146)<br>/gb=NM_002514 /gi=19923725                   | NM_002514             | Hs.235935                   | NP_002505                   |
| 2179  | 0.043799                              | /ug=Hs.235935 /len=2389<br>nuclear antigen Sp100 (SP100), mRNA  | NM_003113             | Hs.77617                    | NP_003104                   |
|       |                                       | /cds=(32,2671) /gb=NM_003113<br>/gi=19923235 /ug=Hs.77617 /len=3579   |                       | l' .                        |                             |
| 2198  | 0.022106                              | ferritin, heavy polypeptide 1 (FTH1),<br>mRNA /cds=(92,664) /gb=NM_002032<br>/gi=4503794 /ug=Hs.418650 /len=801 | NM_002032             | Hs.418650                   | NP_002023                   |

|            |               | responding To Differentially Express d Generalue Description | Gene                                  |                             | Protein       |
|------------|---------------|--|---------------------------------------|-----------------------------|---------------|
| apot       | p-value       | Description  | Accession No.                         | Unigene<br>Accession<br>No. | Accession No. |
| 2209       | 0.002893      | mRNA; cDNA DKFZp667O2119 (from                               | AL832314                              | Hs.180789                   | 100           |
|            |               | clone DKFZp667O2119) /gb=AL832314                            |                                       |                             |               |
|            |               | /gi=21732861 /ug=Hs.180789                                   |                                       |                             |               |
|            |               | /len=6868  | *                                     |                             |               |
| 2230       | 0.018784      | PMS1 postmeiotic segregation                                 | NM 000534                             | Hs.111749                   | NP 000525     |
|            |               | increased 1 (S. cerevisiae) (PMS1),                          |                                       |                             | _             |
| . ,        |               | mRNA /cds=(81,2879) /gb=NM_000534                            |                                       |                             |               |
|            |               | /gi=11496979 /ug=Hs.111749                                   | 0                                     | 7                           |               |
| •          |               | /len=3121  | · · ·                                 |                             |               |
| 2231       | 0.006508      | TTN gene for titin   | AJ277892                              |                             |               |
| 2240       | 0.017288      | likely ortholog of mouse tumor                               | NM_020755                             | Hs.146668                   | NP_065806     |
|            |               | differentially expressed 1, like (TDE1L),                    |                                       |                             | , .,,         |
|            |               | mRNA /cds=(76,1437) /gb=NM_020755                            | 8. * *                                |                             | et e          |
|            |               | /gi=24308212 /ug=Hs.146668                                   |                                       |                             |               |
|            | 2,1           | /len=3149 ;  | •                                     |                             |               |
| 2242       | 0.007807      | uncharacterized hypothalamus protein                         | NM_018471                             | Hs.6375                     | NP_060941     |
|            |               | HT010 (HT010), mRNA  | .)                                    |                             |               |
| :          | *.            | /cds=(227,1420) /gb=NM_018471                                | · · · · · · · · · · · · · · · · · · · |                             |               |
|            |               | /gi=8923807 /ug=Hs.6375 /len=2140                            |                                       |                             |               |
| 2243       | 0.023945      | KIAA0095 gene product (KIAA0095),                            | NM_014669                             | Hs.155314                   | NP_055484     |
|            |               | mRNA /cds=(67,2526) /gb=NM_014669                            |                                       | ,                           |               |
| •          |               | /gi=7661901 /ug=Hs.155314 /len=2681                          |                                       |                             |               |
|            |               |  |                                       |                             |               |
| 2244       | 0.011238      | F-box and leucine-rich repeat protein 5                      | NM_033535                             | Hs.5548                     | NP_277077     |
|            |               | (FBXL5), transcript variant 2, mRNA                          | 0                                     |                             | - 1           |
|            |               | /cds=(586,2283) /gb=NM_033535                                | . x :                                 |                             |               |
|            |               | /gi=21536439 /ug=Hs.5548 /len=3475                           |                                       |                             |               |
| 2260       | 0.02801       | heterogeneous nuclear  | NM_002140                             | Hs.129548                   | NP_112553     |
|            | ,             | ribonucleoprotein K (HNRPK),                                 | ,                                     |                             |               |
| er i       | al complete t | transcript variant 1, mRNA                                   |                                       |                             | d             |
| <i>.</i> . |               | /cds=(210,1604) /gb=NM_002140                                |                                       |                             |               |
| · ·        |               | /gi=14165438 /ug=Hs.129548                                   | . %                                   |                             | 1             |
| 0000       | 0.045005      | /len=2830  | *14057454                             | 11. 01010                   |               |
| 2263       | 0.015895      | cDNA FLJ32589 fis, clone                                     | AK057151                              | Hs.21342                    |               |
|            |               | SPLEN2000443. /gb=AK057151                                   |                                       |                             | <u>'</u>      |
| ٠.         |               | /gi=16552741 /ug=Hs.21342 /len=2178                          |                                       |                             |               |
| 2003       | 0.000400      | Friends 40 (Dressanhila) (EZD40)                             | NIM 007407                            | 110 24004                   | ND 000400     |
| 2267       | 0.022106      | frizzled 10 (Drosophila) (FZD10),                            | NM_007197                             | Hs.31664                    | NP_009128     |
|            |               | mRNA /cds=(457,2202)   |                                       |                             |               |
| γ          |               | /gb=NM_007197 /gi=22035684                                   |                                       |                             | $\Gamma$      |
| 2272       | 0.00507       | /ug=Hs.31664 /len=3260                                       | NIM CORECT                            | He 424066                   | ND 002652     |
| 2273       | υ.ψυσφ/       | Pirin (PIR), mRNA /cds=(231,1103)                            | NM_003662                             | Hs.424966                   | NP_003653     |
|            | 1 .           | /gb=NM_003662 /gi=4505822                                    |                                       |                             |               |
| 2200       | 0.000045      | /ug=Hs.424966 /len=1318                                      | NIVA 'O4EOOO                          | Lie 404500                  | ND OFFOAT     |
| 2296       | 0.023945      | serine/threonine kinase 38 like                              | NM_015000                             | Hs.184523                   | NP_055815     |
|            |               | (STK38L), mRNA /cds=(174,1568)                               |                                       |                             |               |
|            |               | /gb=NM_015000 /gi=24307970                                   | - V.                                  | . *                         | ·             |
|            | l             | /ug=Hs.184523 /len=4725                                      |                                       | I                           | 1             |

|      |            | nding To Differentially Expressed Gen   |               |            | *             |
|------|------------|---|---------------|------------|---------------|
| Spot | p-value    | Description                             | Gene          | Unigene    | Protein       |
|      |            |   | Accession No. | Accession  | Accession     |
|      |            |   |               | No.        | No.           |
| 2306 | 0.010277   | S100 calcium binding protein A4         | NM_002961     | Hs.81256   | NP 062427     |
|      |            | (calcium protein, calvasculin,          | <del></del>   |            |               |
| · .  |            | metastasin, murine placental (S100A4),  |               |            |               |
|      | 7          | transcript variant 1, mRNA              | * (           |            |               |
|      | 9. ( )     | /cds=(70,375) /gb=NM_002961             |               |            |               |
|      | ,          | /gi=9845514 /ug=Hs.81256 /len=512       |               |            | : 3           |
| 2309 | 0.040751   | GTPase-activating protein GAPIII        | U20238        |            | NP 033051     |
| 2315 |            | metalloproteinase inhibitor TIMP-2      | AF127803      |            | 141, _00000,1 |
| 2331 |            | RNA guanylyltransferase and 5'-         | NM_003800     | Hs.27345   | NP_003791     |
| 2001 | 0.045733   | phosphatase (RNGTT), mRNA               | TVW_003000    | 113.27343  | NF_003/31     |
|      |            | /cds=(289,2082) /gb=NM_003800           |               | :          |               |
|      | * ** · · · |   | . *           |            |               |
| 2224 | 0.000400   | /gi=4506562 /ug=Hs.27345 /len=4546      | NIM OACACO    | 110 407500 | ND OF 7400    |
| 2334 | 0.022106   | androgen induced protein (AIG-1),       | NM_016108     | Hs.107528  | NP_057192     |
| -    |            | mRNA /cds=(28,744) /gb=NM_016108        | *             | , ,        |               |
|      |            | /gi=7705269 /ug=Hs.107528 /len=1398     | Ten .         |            | 1             |
|      |            |   |               |            |               |
| 2340 | 0.025911   | mRNA, cDNA DKFZp434F2311 (from          | AL137603      | Hs.233890  | * .           |
|      |            | clone DKFZp434F2311) /gb=AL137603       | · ·           |            |               |
| :    |            | /gi=6808349 /ug=Hs.233890 /len=842      |               |            | *             |
|      |            |   |               |            |               |
| 2342 | 0.020388   | modifier 3 (M33) (=Y13274 M33           | Y13274        |            | NP_031649     |
|      |            | polycomb-like protein)                  |               | : •        |               |
| 2347 | 0.030249   | nuclear RNA export factor 1 (NXF1),     | NM_006362     | Hs.323502  | NP_006353     |
|      |            | mRNA /cds=(83,1942) /gb=NM_006362       | *             |            |               |
|      | •          | /gi=15487669 /ug=Hs.323502              |               |            |               |
|      |            | /len=2264                               |               |            |               |
| 2368 | 0.007107   | capping protein (actin filament) muscle | NM:004930     | Hs.333417  | NP_004921     |
|      |            | Z-line, beta (CAPZB), mRNA              |               |            | _             |
|      | 3          | /cds=(1,819) /gb=NM_004930              | A             |            |               |
| •    |            | /gi=4826658 /ug=Hs.333417 /len=1077     |               |            |               |
|      | *          |   |               |            |               |
| 2385 | 0.003213   | Nedd4 binding protein 1 (N4BP1),        | NM 014664     | Hs.323712  | NP_055479     |
|      |            | mRNA /cds=(238,2928)                    |               |            |               |
| •    |            | /gb=NM_014664 /gi=7662203               |               |            |               |
|      | ĺ          | /ug=Hs.323712 /len=3319                 |               |            |               |
| 2395 | 0.018784   | Purkinje cell protein 4 (PCP4), mRNA    | NM 006198     | Hs.80296   | NP 006189     |
| _550 |            | /cds=(59,247) /gb=NM 006198             | 1.444-000.190 | 1.19.00200 | 1.11 _300 103 |
|      |            | /gi=5453857 /ug=Hs.80296 /len=540       | :             |            |               |
| 2398 | 0.040751   | UDP-N-acetyl-alpha-D-                   | NM 022087     | Hs.97056   | NP 071370     |
| 2000 | 0.070701   | galactosamine:polypeptide N-            | 14141_022007  | 13.37000   | 1.41 _0/ 13/0 |
|      |            | acetylgalactosaminyltransferase 11      | **            |            |               |
|      |            |   |               |            | Φ.            |
|      |            | (GalNAc-T11) (GALNT11), mRNA            |               |            |               |
|      |            | /cds=(84,1910) /gb=NM_022087            |               |            |               |
|      | * ;        | /gi=11545800 /ug=Hs.97056 /len=2591     |               | *          | X             |
| 0.40 | 0.00=0=    |   |               |            | NO 600000     |
| 2404 | 0.03788    | keratan sulfate proteoglycan            | AF063301      |            | NP_008966     |

|      |          | nding To Differentially Expressed Gen   |                       |                      |                      |
|------|----------|---|-----------------------|----------------------|----------------------|
| Spot | p-value  | Description                             | Gene<br>Accession No. | Unigene<br>Accession | Protein<br>Acc ssion |
|      |          |   |                       | No.                  | No.                  |
| 2420 | 0.015895 | zinc finger protein (LOC51042), mRNA    | NM_015871             | Hs.102419            | NP_056955            |
|      |          | /cds=(115,465) /gb=NM_015871            |                       |                      |                      |
|      |          | /gi=21359908 /ug=Hs.102419 /len=649     | *                     | •                    |                      |
|      |          |   |                       |                      |                      |
| 2421 | 0.03788  | ribosomal protein S4, Y-linked          | NM_001008             | Hs.180911            | NP_000999            |
|      | 21.      | (RPS4Y), mRNA /cds=(13,804)             |                       |                      |                      |
|      |          | /gb=NM_001008 /gi=17981706              |                       |                      |                      |
|      |          | /ug=Hs.180911 /len=931                  |                       |                      |                      |
| 2442 | 0.032636 | sushi-repeat-containing protein, X      | NM_006307             | Hs.15154             | NP_006298            |
| •    |          | chromosome (SRPX), mRNA                 |                       |                      |                      |
|      | 10       | /cds=(88,1482) /gb=NM_006307            |                       |                      |                      |
|      |          | /gi=21314639 /ug=Hs.15154 /len=1999     |                       |                      |                      |
|      |          |   |                       |                      |                      |
| 2446 | 0.02801  | oxysterol binding protein-like 2        | NM_144498             | Hs.15519             | NP_653081            |
|      |          | (OSBPL2), transcript variant 2, mRNA    |                       | •                    |                      |
|      |          | /cds=(203,1645) /gb=NM_144498           |                       |                      |                      |
|      |          | /gi=21450852 /ug=Hs.15519 /len=3971     |                       |                      |                      |
| . 1  | *        |   | *                     |                      | L                    |
| 2452 | 0:039408 | jun B proto-oncogene (JUNB), mRNA       | NM_002229             | Hs.400124            | NP_002220            |
|      |          | /cds=(254,1297) /gb=NM_002229           |                       |                      |                      |
|      |          | /gi=4504808 /ug=Hs.400124 /len=1797     |                       |                      |                      |
|      |          |   |                       |                      |                      |
| 2469 | 0.014599 | serine/threonine kinase 25 (STE20       | NM_006374             | Hs.155206            | NP_006365            |
|      |          | yeast) (STK25), mRNA                    |                       |                      |                      |
|      |          | /cds=(225,1505) /gb=NM_006374           | ·                     | 1 - ·                |                      |
|      |          | /gi=21361357 /ug=Hs.155206              |                       |                      | *                    |
|      |          | /len=2207                               |                       | * 1                  |                      |
| 2476 | 0.020388 | MAP kinase-interacting                  | NM_003684             | Hs.5591              | NP_003675            |
|      |          | serine/threonine kinase 1 (MKNK1),      | -                     |                      |                      |
|      |          | mRNA /cds=(174,1571)                    | - 10                  |                      |                      |
|      |          | /gb=NM_003684 /gi=21361100              |                       |                      |                      |
|      |          | /ug=Hs.5591 /len=2745                   |                       |                      |                      |
| 2488 | 0.043799 | likely ortholog of mouse hippocampus    | NM_033055             | Hs.21015             | NP_149044            |
|      |          | abundant gene transcript 1 (HIAT1),     |                       |                      |                      |
|      |          | mRNA /cds=(6,1124) /gb=NM_033055 ;      |                       | <b>\</b> .           | -                    |
|      |          | /gi=24308343 /ug=Hs.21015 /len=2230     |                       | 1                    | ]-                   |
|      | <u></u>  |   |                       |                      |                      |
| 2508 | 2.66E-04 | sorting nexin 1 (SNX1), transcript      | NM_003099             | Hs.75283             | NP_690039            |
|      | •        | variant 1, mRNA /cds=(13,1581)          |                       |                      |                      |
|      |          | /gb=NM_003099 /gi=23111033              |                       |                      | 8                    |
|      |          | /ug=Hs.75283 /len=1984                  |                       |                      |                      |
| 2511 | 0.025911 | ribosomal protein L35a (RPL35A),        | NM_000996             | Hs.288544            | NP_000987            |
|      |          | mRNA /cds=(74,406) /gb=NM_000996        |                       |                      |                      |
|      |          | /gi=16117790 /ug=Hs.288544 /len=511     |                       |                      | 1                    |
|      | ,        |   |                       | <u>.</u>             |                      |
| 2535 | 0.010277 | thyroid receptor interactor trip15 mRNA | AF100762              | 3                    | NP_004227            |
|      |          | complete cds                            |                       |                      | To the               |

|       |          | nding To Diff rentially Express d G n                               |                                       |                      |                      |
|-------|----------|---|---------------------------------------|----------------------|----------------------|
| Spot  | p-value  | Description   | Gene<br>Accession No.                 | Unigene<br>Accession | Protein<br>Accession |
| 0500  | 0.047000 | 110 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                             | NIN COSCO (                           | No.                  | No.                  |
| 2536  | 0,01/288 | H3 histone, family 3B (H3.3B) (H3F3B),                              |                                       | Hs.180877            | NP_005315            |
|       |          | mRNA /cds=(118,528) /gb=NM_005324<br>/gi=21264598 /ug=Hs.180877     |                                       | · · · · · ·          |                      |
|       |          | /len=1662   | *                                     |                      |                      |
| 2538  | 0.040751 | ETAA16 protein (ETAA16), mRNA                                       | NM_019002                             | Hs.82664             | NP_061875            |
|       |          | /cds=(403,2925) /gb=NM_019002                                       |                                       | 3                    |                      |
|       | 1        | /gi=9506580 /ug=Hs.82664 /len=3457                                  |                                       |                      |                      |
| 2547  | 0.03788  | B-cell CLL/lymphoma 3 (BCL3), mRNA                                  | NM_005178                             | Hs.31210             | NP_005169            |
| • • • |          | /cds=(42,1382) /gb=NM_005178<br>/gi=20336471 /ug=Hs.31210 /len=1813 |                                       | :                    |                      |
|       |          | /gi=203304/1 /ug=HS.31210 /lefi=1613                                |                                       |                      | §                    |
| 2550  | 0.032636 | uncharacterized bone marrow protein                                 | NM 018458                             |                      |                      |
|       |          | BM042 (BM042) (=cDNA sequence                                       | T .                                   |                      |                      |
|       |          | DKFZp761A1124)  |                                       | .(1                  |                      |
| 2553, | 0.007107 | transmembrane protein vezatin                                       | NM_017599                             | Hs.24135             | NP_060069            |
|       |          | (VEZATIN), mRNA /cds=(177,1886)                                     |                                       |                      |                      |
| ·     |          | /gb=NM_017599 /gi=19923537<br>/ug=Hs.24135 /len=3949                |                                       |                      |                      |
| 2567  | 0.017288 | nuclear receptor Rev-ErbA-beta mRNA                                 | U20796                                |                      |                      |
| 200.  | 0.011200 |   | 020,00                                |                      |                      |
| 2568  | 0.00587  | glycoprotein M6B (GPM6B), mRNA                                      | NM_005278                             | Hs.5422              | NP_005269            |
|       |          | /cds=(255,1052) /gb=NM_005278                                       |                                       | · · · · ·            |                      |
| .*    |          | /gi=24307894 /ug=Hs.5422 /len=1642                                  |                                       |                      |                      |
| 2569  | 0.025911 | PEST-containing nuclear protein                                     | NM_020357                             | Hs.71618             | NP_065090            |
| ·     |          | (PCNP), mRNA /cds=(19,555)  | * * * * * * * * * * * * * * * * * * * |                      | *                    |
|       |          | /gb=NM_020357 /gi=9966826<br>/ug=Hs.71618 /len=2250                 |                                       | ė ·                  |                      |
| 2596  | 0.033876 | malonyl-CoA decarboxylase (MLYCD),                                  | NM 012213                             | Hs.150748            | NP_036345            |
| ) 1   |          | mRNA /cds=(96,1460) /gb=NM_012213                                   |                                       |                      |                      |
|       | į.       | /gi=6912497 /ug=Hs.150748 /len=2136                                 |                                       | . *                  | w .                  |
|       |          |   | 722                                   |                      |                      |
| 2600  | 0.002893 | gene_id:F1D9.26~unknown protein [Arabidopsis thaliana]              | AP002460                              |                      |                      |
| 2602  | 0.010277 | fibrinogen-like 2 (FGL2), mRNA                                      | NM_006682                             | Hs.351808            | NP_006673            |
| 2002  | 0.010277 | /cds=(34,1353) /gb=NM_006682  | 11111_000002                          | 113.001000           |                      |
|       |          | /gi=5730074 /ug=Hs.351808 /len=1496                                 |                                       |                      |                      |
| •     |          |   |                                       |                      |                      |
| 2624  | 0.012276 | RAB27A, member RAS oncogene   | NM_004580                             | Hs.50477             | NP_004571            |
|       |          | family (RAB27A), mRNA   | Φ.                                    | -                    | . *                  |
|       |          | /cds=(246,911) /gb=NM_004580  |                                       |                      |                      |
| •     |          | /gi=19923263 /ug=Hs.50477 /len=2496                                 |                                       | * *                  |                      |
| 2628  | 0.005325 | methyltransferase reductase (MTRR),                                 | NM 024010                             | Hs.153792            | NP_076915            |
|       |          | transcript variant 2, mRNA  | 1                                     |                      |                      |
| • •   |          | /cds=(31,2208) /gb=NM_024010  | -                                     |                      |                      |
| 4     |          | /gi=13325067 /ug=Hs 153792  |                                       |                      |                      |
|       |          | /len=3291   |                                       |                      | 1.                   |

| G nes Corresponding To Diff rentially Expressed Genes in Figure 20 - RA |             |   |                |            |           |
|---|-------------|---|----------------|------------|-----------|
|   | p-value     | Description                               | Gene           | Unigene    | Protein   |
|   |             |   | Accession No.  | Accession  | Accession |
|   |             |   |                | No.        | No.       |
| 2646  | 0.023945    | EGF-containing fibulin-like extracellular | NM 004105      | Hs.76224   | NP 061489 |
|   | J           | matrix protein 1 (EFEMP1), transcript     |                |            |           |
|   | *           | variant 1, mRNA /cds=(150,1631)           |                |            |           |
|   |             | /gb=NM_004105 /gi=9665261                 |                | _          |           |
|   |             | /ug=Hs.76224 /len=2742                    | · .            |            |           |
|   |             | 749-115.70224 Nett-2742                   |                |            | *         |
| 2650  | 0.02801     | fatty-acid-Coenzyme A ligase, long-       | NM 021122      | Hs.154890  | NP 066945 |
| 2030  | 0.02801     | chain 2 (FACL2), mRNA                     | 14141_02 1 122 | 115.134090 | 141000343 |
|   |             |   |                |            | n (30)    |
|   |             | /cds=(14,2110) /gb=NM_021122              |                | 2 · · · ·  | 0.        |
|   |             | /gi=12669906 /ug=Hs.154890                | * 8            |            |           |
|   | 2 22 22 4 2 | /len=3635                                 | AD007704       | 11. 40000  |           |
| 2659  | 0.003947    | mRNA for KIAA1373 protein, partial        | AB037794       | Hs.16229   |           |
|   | 150         | cds. /cds=(821,2212) /gb=AB037794         |                | ī          |           |
|   | -/<br>      | /gi=7243126 /ug=Hs.16229 /len=4052        |                |            |           |
| 2660  | 0.047031    | phosphoserine phosphatase-like            | NM_003832      | Hs.369508  | NP_003823 |
|   |             | (PSPHL), mRNA /cds=(162,380)              | -90            |            |           |
|   |             | /gb=NM_003832 /gi=4502934                 |                |            |           |
| Yes   |             | /ug=Hs.369508 /len=839                    |                |            |           |
| 2674  | 0.008566    | ring finger protein 10 (RNF10), mRNA      | NM_014868      | Hs.5094    | NP_055683 |
|   |             | /cds=(448,2883) /gb=NM_014868             |                |            |           |
|   |             | /gi=27544928 /ug=Hs.5094 /len=3129        |                |            |           |
| 2678  | 0.025911    | protein-L-isoaspartate (D-aspartate) O-   | NM_005389      | Hs.79137   | NP_005380 |
|   |             | methyltransferase (PCMT1), mRNA           | *              |            |           |
|   |             | /cds=(74,757) /gb=NM_005389               |                |            |           |
|   |             | /gi=4885538 /ug=Hs.79137 /len=1599        |                |            |           |
| 2696  | 0.014599    | cartilage linking protein 1 (CRTL1),      | NM_001884      | Hs.2799    | NP_001875 |
|   |             | mRNA /cds=(316,1380)                      | <u> </u>       |            | 7         |
|   |             | /gb=NM_001884 /gi=4503052                 |                |            |           |
|   |             | /ug=Hs.2799 /len=1492                     |                |            |           |
| 2698  | 0.022106    | topoisomerase (DNA) II alpha 170kDa       | NM 001067      | Hs.156346  | NP_001058 |
|   |             | (TOP2A), mRNA /cds=(127,4722)             | _              |            | e         |
|   |             | /gb=NM_001067 /gi=19913405                | A -            |            |           |
|   | *           | /ug=Hs.156346 /len=5698                   |                |            |           |
| 2709  | 0.005325    | pleiotrophin (heparin binding growth      | NM_002825      | Hs.44      | NP_002816 |
| 00  | 5.555526    | factor 8, neurite growth-promoting        |                |            | 1         |
|   |             | factor 1) (PTN), mRNA /cds=(396,902)      |                | 1          | [ .       |
|   |             | /gb=NM_002825 /gi=27552761                | ·              |            |           |
|   | <b>.</b>    | /ug=Hs.44 /len=1029                       | ,              | ·          | 1         |
| 2712  | 0 43E 04    | ash2 (absent, small, or homeotic)-like    | NM_004674      | Hs.6856    | NP_004665 |
| 2112  | J.+JE-04    | (Drosophila) (ASH2L), mRNA                | 14141-004014   | 13.0000    |           |
|   |             | /cds=(5,1891) /gb=NM_004674               | <b>)</b>       |            | j .       |
|   |             |   |                |            | ,         |
| 2770  | 0.425.04    | /gi=4757789 /ug=Hs.6856 /len=2381         | NIM 010000     | Un 00047   | ND 026249 |
| 2716  | 9.43⊑-04    | general transcription factor IIIC,        | NM_012086      | Hs.90847   | NP_036218 |
|   | ]           | polypeptide 3, 102kDa (GTF3C3),           | ]              |            |           |
|   |             | mRNA /cds=(94,2754) /gb=NM_012086         | ;              |            |           |
|   | 9           | /gi=6912397 /ug=Hs.90847 /len=2961        |                | *          |           |
|   |             |   | 1              |            | -         |

|           |             | nding To Differentially Expressed Gen     |                                       |               | <b>D</b>      |
|-----------|-------------|---|---------------------------------------|---------------|---------------|
| Spot      | p-value     | Description                               | Gen                                   | Unigene       | Prot in       |
|           |             |   | Acc ssion No.                         | Accession No. | Accession No. |
| 2720      | 0.035177    | mitogen-activated protein kinase kinase   | NM_006575                             | Hs.246970     | NP_006566     |
|           |             | kinase kinase 5 (MAP4K5), mRNA            |                                       |               |               |
| •         |             | /cds=(321,2861) /gb=NM_006575             |                                       |               |               |
| -         |             | /gi=14589908 /ug=Hs.246970<br>/len=3000   |                                       |               |               |
| 2725      | 0.022106    | hypothetical protein MGC29891             | NM 144618                             | Hs.318393     | NP 653219     |
| - · · · · |             | (MGC29891), mRNA /cds=(332,1678)          | _                                     |               |               |
|           | l           | /gb=NM_144618 /gi=21389426                |                                       |               |               |
|           |             | /ug=Hs.318393 /len=3356                   |                                       |               | 1.            |
| 2738      | 0.018784    | succinyl-CoA synthetase GTP-specific      | AF171077                              |               |               |
|           |             | beta subunit                              |                                       |               |               |
| 2746      | 0.011238    | putative serine-rich protein              | AF246705                              |               | NP 060102     |
| 2747      |             | signal transducing adaptor molecule       | NM 003473                             |               | NP 003464     |
|           |             | (SH3 domain and ITAM motif) 1             | T                                     | (             |               |
| ٠         |             | (STAM)                                    | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | *v            | 1             |
| 2755      | 0.011238    | ABL (M8604 Met) gene                      | U07561                                |               | -             |
| 2756      |             | KIAA0183 gene                             | D80005                                |               | NP 055427     |
| 2760      |             | KVLQT1 gene                               | AJ006345                              |               |               |
| 2766      |             | sorting nexin 7 (SNX7), transcript        | NM_015976                             | Hs.127241     | NP 689424     |
|           | 2 T T T T T | variant 1, mRNA /cds=(268,1431)           | · · · · · · · · · · · · · · · · · · · |               | π             |
|           |             | /gb=NM_015976 /gi=23111053                |                                       |               |               |
| ·- ·· ·   | 1           | /ug=Hs.127241 /len=1798                   |                                       |               | :             |
| 2774      | 0.003213    | myristoylated alanine-rich protein        | NM 002356                             | Hs.75607      | NP 002347     |
|           |             | kinase C substrate (MARCKS), mRNA         | -                                     |               |               |
|           |             | /cds=(370,1368) /gb=NM_002356             |                                       |               |               |
|           |             | /gi=11125771 /ug=Hs.75607 /len=2589       |                                       |               |               |
|           |             |   | 10.00                                 |               |               |
| 2779      | 0.001501    | nuclear factor (erythroid-derived 2)-like | NM 006164                             | Hs.155396     | NP 006155     |
| ,         |             | 2 (NFE2L2), mRNA /cds=(114,1931)          |                                       |               |               |
|           | 40.00       | /gb=NM_006164 /gi=20149575                |                                       |               |               |
|           | į,          | /ug=Hs.155396 /len=2439                   |                                       |               |               |
| 2780      | 0.012276    |   | X67534                                |               |               |
| 2781      |             | surfeit 1 (SURF1), nuclear gene           | NM_003172                             | Hs.423854     | NP_003163     |
|           |             | encoding mitochondrial protein, mRNA      | _                                     |               |               |
|           | 21 7 7      | /cds=(33,935) /gb=NM_003172               |                                       | • •           |               |
|           |             | /gi=19557683 /ug=Hs.423854                |                                       | 1             | *             |
|           |             | /len=1037                                 |                                       |               |               |
| 2782      | 0.017288    | high mobility group 2 protein (HMG-2)     | M83665                                |               |               |
| 2791      | 0.01932     | hypothetical protein FLJ10283             | NM_018046                             | Hs.284216     | NP_060516     |
|           |             | (FLJ10283), mRNA /cds=(218,1039)          |                                       |               | .= .          |
| · .       |             | /gb=NM_018046 /gi=8922325                 |                                       |               |               |
|           |             | /ug=Hs.284216 /len=1876                   |                                       |               |               |
| 2795      | 0.022106    | nucleophosmin (nucleolar                  | NM_002520                             | Hs.355719     | NP_002511     |
| •         |             | phosphoprotein B23, numatrin)             |                                       |               |               |
|           |             | (NPM1), mRNA /cds=(100,984)               | * * * *                               |               |               |
|           |             | /gb=NM_002520 /gi=20070168                | (Y )                                  |               | · · ·         |
|           | 1           | /ug=Hs.355719 /len=1347                   |                                       |               |               |

| Genes  | Correspon       | nding To Differentially Expressed Gen   | es in Figur 20 - | RA                                       |            |
|--------|-----------------|---|------------------|--|------------|
|        |                 | Description                             | Gene             | Unigene                                  | Protein    |
|        |                 |   | Accession No.    | Accession                                | Accession  |
|        |                 | *                                       |                  | No.                                      | No.        |
| 2797   | 0.02801         | zinc finger homeobox 1b (ZFHX1B),       | NM 014795        | Hs.34871                                 | NP 055610  |
|        |                 | mRNA /cds=(445,4089)                    |                  |  |            |
|        |                 | /gb=NM_014795 /gi=7662183               |                  |  |            |
| ·      |                 | /ug=Hs.34871 /len=5523                  | 1                | · ·                                      |            |
| 2815   | 0.043799        | proteasome (prosome, macropain)         | NM 002791        | Hs.410276                                | NP 002782  |
|        |                 | subunit, alpha type, 6 (PSMA6), mRNA    | 7                | 110.110270                               | -002/02    |
|        |                 | /cds=(110,850) /gb=NM_002791            |                  |  |            |
|        | . : (           | /gi=23110943 /ug=Hs.410276              | w - 1            |  |            |
|        |                 | /len=1035                               |                  | N.                                       |            |
| 2826   | 0.035177        | potassium voltage-gated channel,        | NM 002252        | Hs.47584                                 | NP 002243  |
| 2020   | 0.000177        | delayed-rectifier, subfamily S, member  | 14141_002232     | 115.47504                                | NF_002243  |
| A4     | <del></del> , ; | 3 (KCNS3), mRNA /cds=(381,1856)         |                  | y. *                                     |            |
|        |                 | /gb=NM_002252 /gi=25952107              | e ·              |  | 1.30       |
| . i    |                 | /ug=Hs.47584 /len=2344                  |                  |  |            |
|        | · .             | 749-119.47 304 Nett-2344                |                  |  | 5          |
| 2833   | 6 565 04        | myotubularin related protein 6          | AF072928         |  | NP 004676  |
| 2837   | 0.030249        |   |                  | 3/1-1/1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | INP_004676 |
|        |                 |   | AF034237         | 11- 454400                               | ND 050270  |
| 2839   | 0.017200        | synovial sarcoma translocation gene on  | INIVI_U 15558    | Hs.154429                                | NP_056373  |
|        |                 | chromosome 18-like 1 (SS18L1),          |                  |  |            |
|        | · .             | mRNA /cds=(61,1251) /gb=NM_015558       |                  |  |            |
|        | 4               | /gi=27754185 /ug=Hs.154429              |                  |  |            |
| 2047   | 0.007407        | /len=3723                               | NIN 040005       | 11. 0000                                 | ND 054704  |
| 2847   | 0.007107        | lysosomal-associated membrane           | NM_013995        | Hs.8262                                  | NP_054701  |
| (      |                 | protein 2 (LAMP2), transcript variant   | . *              |  | *          |
|        |                 | LAMP2B, mRNA /cds=(138,1370)            | 6                |  |            |
|        | * '             | /gb=NM_013995 /gi=7669502               |                  |  | 1          |
| 0007   | 0.000040        | /ug=Hs.8262 /len=4006                   | 104 004070       |  |            |
| 2867   | 0.030249        | mitogen-activated protein kinase kinase | NM_021970 ·      | Hs.6361                                  | NP_068805  |
|        |                 | 1 interacting protein 1 (MAP2K1IP1),    |                  |  |            |
| ે      |                 | mRNA /cds=(250,624) /gb=NM_021970       | •                |  |            |
| 8- · · |                 | /gi=21614526 /ug=Hs.6361 /len=1416      |                  |  | · ·        |
| 70000  | 0.00001         |   | NA 047555        |  | No cooses  |
| 2889   | 0.02801         |   | NM_017590        | Hs.25347                                 | NP_060060  |
|        |                 | protein RoXaN (RoXaN), mRNA             |                  | * * X                                    |            |
|        |                 | /cds=(217,3150) /gb=NM_017590           |                  | (  |            |
|        |                 | /gi=27881483 /ug=Hs.25347 /len=5868     |                  | ·  |            |
| 0000   | 0.04700         | <u> </u>                                | <u> </u>         | 1  | 1          |
| 2890   | 0.047031        | proteasome (prosome, macropain)         | NM_002787        | Hs.411773                                | NP_002778  |
| ·      | •               | subunit, alpha type, 2 (PSMA2), mRNA    |                  | (  | * .        |
|        |                 | /cds=(20,724) /gb=NM_002787             | 8                | • 4                                      | 1          |
|        |                 | /gi=23110936 /ug=Hs.411773 /len=885     |                  |  |            |
|        |                 |   |                  |  |            |
| 2896   |                 | C-type lectin                           | BAA95671         |  |            |
| 2917   | 0.013394        | ADP-ribosylation factor-like 3 (ARL3),  | NM_004311        | Hs.182215                                | NP_004302  |
|        |                 | mRNA /cds=(16,564) /gb=NM_004311        |                  |  |            |
|        |                 | /gi=4757773 /ug=Hs.182215 /len=900      |                  |  | 1          |
|        |                 |   | L                |  |            |

|        |            | nding To Differentially Expressed Gen   |                                       | Unigene              | Drotein              |
|--------|------------|---|---------------------------------------|----------------------|----------------------|
| Spot   | p-value    | Description                             | Gen Accession No.                     | Unigene<br>Accession | Protein<br>Accession |
|        |            |   |                                       | No.                  | No.                  |
| 2932   | 0.015895   | cyclin D binding myb-like transcription | NM 021145                             | Hs.5671              | NP 066968            |
| 7-37-T |            | factor 1 (DMTF1), mRNA                  | <del></del> · · · · ·                 |                      | _                    |
|        |            | /cds=(276,2558) /gb=NM_021145           |                                       |                      | 3                    |
|        |            | /gi=10863946 /ug=Hs.5671 /len=3767      | *                                     |                      |                      |
| 2947   | 0.018784   | hemoglobin, alpha 2 (HBA2), mRNA        | NM_000517                             | Hs.347939            | NP_000508            |
| ==     |            | /cds=(38,466) /gb=NM_000517             | -                                     |                      |                      |
|        |            | /gi=14043068 /ug=Hs.347939 /len=575     |                                       |                      |                      |
|        |            | 3                                       |                                       | *                    |                      |
| 2961   | 0.011238   | line-1 protein ORF2 (=p150)             | B28096                                | <del> </del>         | -:                   |
| 2975   |            | actin related protein 2/3 complex,      | NM 005719                             | Hs.293750            | NP 005710            |
| 20.0   | , ,        | subunit 3, 21kDa (ARPC3), mRNA          |                                       |                      |                      |
|        |            | /cds=(94,630) /gb=NM_005719             |                                       |                      |                      |
|        |            | /gi=23397667 /ug=Hs.293750 /len=912     |                                       |                      | 0):                  |
|        |            | 79. 20001001 /ug-j 13.200100 hell-012   |                                       |                      |                      |
| 2979   | 0.013394   | hypothetical protein FLJ20574           | NM 017886                             | Hs.99514             | NP 060356            |
| -010   | 0.010004   | (FLJ20574), mRNA /cds=(113,1741)        | <u>-</u>                              | 1.0.000.1            | 1900000              |
|        | 5-         | /gb=NM_017886 /gi=8923538               |                                       |                      |                      |
| 2 2 7  |            | /ug=Hs.99514 /len=2581                  |                                       |                      |                      |
| 2996   | 0.040751   | ribosomal protein L12 (RPL12), mRNA     | NM 000976                             | Hs.405042            | NP 000967            |
| 2990   | 0.040731   | /cds=(89,586) /gb=NM_000976             | 14141_000970                          | 115.405042           | 141 _000307          |
|        |            |   |                                       | ]                    |                      |
|        |            | /gi=15431291 /ug=Hs.405042 /len=632     | ÷ 1                                   |                      |                      |
| 3072   | 0.02901    | trichorhinophalangeal syndrome I        | NM 014112                             | Hs.26102             | NP 054831            |
| 3072   | 0.02001    | (TRPS1), mRNA /cds=(639,4484)           | NIVI_0 14 1 12                        | 113.20102            | 1117_004051          |
|        |            |   |                                       |                      |                      |
| '      |            | /gb=NM_014112 /gi=7657658               |                                       | *                    |                      |
| 2000   | 0.000400   | /ug=Hs 26102 /len=10011                 | BC000712                              | Hs.20830             | NP_002254            |
| 3090   | 0.022106   | Similar to kinesin family member C1,    | BC000/12                              | 175.20030            | NP_002254            |
|        | -          | clone MGC:1202 IMAGE:3506669,           |                                       |                      |                      |
|        |            | mRNA, complete cds /cds=(168,2189)      |                                       |                      |                      |
|        | - 00       | /gb=BC000712 /gi=12653842               |                                       |                      |                      |
|        | : 1        | /ug=Hs.20830 /len=2400                  | * "                                   | ł ·                  |                      |
| 0000   | 0.040754   | 4 110                                   | 1114 005047                           | 75075                | ND 005000            |
| 3098   | 0.040/51   | malate dehydrogenase 1, NAD             | NM_005917                             | Hs.75375             | NP_005908            |
| ,      | ,          | (soluble) (MDH1), mRNA                  | ·                                     | į.                   |                      |
| ,      |            | /cds=(57,1061) /gb=NM_005917            |                                       |                      | 1                    |
|        |            | /gi=21735619 /ug=Hs.75375 /len=1268     |                                       |                      |                      |
| 2400   | 0.000040   | OA debudes shall not and an desides a   | NM 044700                             | Un 75010             | ND OFFETT            |
| 3109   | T 0.030249 | 24-dehydrocholesterol reductase         | NM_014762                             | Hs.75616             | NP_055577            |
|        |            | (DHCR24), mRNA /cds=(100,1650)          |                                       | ]                    | 1                    |
|        |            | /gb=NM_014762 /gi=13375617              |                                       |                      | 1                    |
| 1 20 1 |            | /ug=Hs.75616 /len=4248                  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <del> </del>         | <br>                 |
| 3116   | 0.023945   | Hypothetical protein(cDNA FLJ11299      | AK002161                              |                      | NP_057295            |
|        |            | fis, clone PLACE1009845, highly similar |                                       |                      |                      |
|        | <u> </u>   | to KIAA0905 protein)                    |                                       |                      |                      |
| 3118   | 0.032636   | cDNA: FLJ21243 fis, clone COL01164.     | AK024896                              | Hs.268016            |                      |
|        |            | /gb=AK024896 /gi=10437310               |                                       |                      | 1.                   |
|        |            | /ug=Hs.268016 /len=1880                 | 1                                     |                      |                      |
|        | 1          |   | Į.                                    | 1                    | .i                   |

|       |          | nding To Differentially Expressed Gen  |   |            |                 |
|-------|----------|--|---|------------|-----------------|
| Spot  | p-value  | Description                            | G ne                                    | Unigene    | Protein         |
|       |          |  | Accession No.                           | Accession  | Accession       |
|       |          |  |   | No.        | No.             |
| 3123  | 0.043799 | RNA processing factor 1 (RPF1);        | NM 025065                               | Hs.287863  | NP_079341       |
| 0.20  |          | mRNA /cds=(8,1057) /gb=NM_025065       | 020000                                  | 110.207000 | 140/3041        |
| 1 1   |          | /gi=18643386 /ug=Hs.287863             |   |            |                 |
|       |          |  |   | *          |                 |
| 0400  |          | /len=1336                              |   |            |                 |
| 3128  | 0.02801  | mRNA for ras-related GTP-binding       | Z29677                                  | Hs.355976  | NP_005605       |
|       |          | protein /cds=(24,578) /gb=Z29677       |   |            |                 |
|       |          | /gi=453469 /ug=Hs.355976 /len=987      |   |            |                 |
| 3146  | 0.032636 | aldo-keto reductase family 1, member   | NM 006066                               | Hs.432896  | NP 697021       |
|       |          | A1 (aldehyde reductase) (AKR1A1),      |   | •          | π.              |
| e.    |          | transcript variant 1, mRNA             |   |            |                 |
|       | 1        | /cds=(465,1442) /gb=NM_006066          |   |            |                 |
| 8     |          |  | 00                                      |            |                 |
| ** :  |          | /gi=24497575 /ug=Hs.432896             |   | l *** *1   |                 |
| 0430  | 0.000    | /len=1556                              | 11000000                                |            |                 |
| 3148  | 0.035177 | cDNA: FLJ23155 fis, clone LNG09573.    | AK026808                                | Hs.96867   |                 |
|       |          | /gb=AK026808 /gi=10439749              |   |            |                 |
|       |          | /ug=Hs.96867 /len=2089                 |   |            |                 |
| •     | KB       | u                                      |   | *          |                 |
| 3156  | 0.03788  | golgi autoantigen, golgin subfamily b, | NM 004487                               | Hs.7844    | NP 004478       |
|       |          | macrogolgin (with transmembrane        | i e i <del>a -</del>                    |            |                 |
|       |          | signal), 1 (GOLGB1), mRNA              | ***                                     |            |                 |
|       |          | /cds=(127,9906) /gb=NM_004487          |   |            |                 |
|       |          |  |   | -          |                 |
| 2400  | 0.040004 | /gi=4758453 /ug=Hs.7844 /len=10300     | 1111 00000                              |            | 115 22222       |
| 3180  | 0.013394 | ferritin, heavy polypeptide 1 (FTH1),  | NM_002032                               | Hs.418650  | NP_002023       |
|       |          | mRNA /cds=(92,664) /gb=NM_002032       | 16                                      |            | -,              |
|       |          | /gi=4503794 /ug=Hs.418650 /len=801     |   | *          |                 |
| die . |          |  |   |            |                 |
| 3183  | 0.023945 | Similar to hypothetical protein        | BC008373                                | Hs.356550  |                 |
| ٠.    |          | PRO1722, clone MGC:12239               |   |            |                 |
|       |          | IMAGE:3996377, mRNA, complete cds      | }                                       |            |                 |
|       |          | /cds=(1435,1635) /gb=BC008373          | *                                       |            |                 |
|       |          | /gi=14249972 /ug=Hs.356550             |   |            |                 |
|       |          | l. =                                   |   |            |                 |
| 2040  | 0.005005 | /len=2470                              | NN 005450                               |            | 110 202120      |
| 3219  | 0.005325 | actin, alpha, cardiac muscle (ACTC),   | NM_005159                               | Hs.118127  | NP_005150       |
|       |          | mRNA /cds=(1,1134) /gb=NM_005159       |   | T IXI      | 7               |
|       |          | /gi=10938011 /ug=Hs.118127             |   |            |                 |
|       |          | /len=1294                              |   | . `        |                 |
| 3220  | 8.37E-04 | SHC (Src 2 domain containing)          | NM_003029                               | Hs.81972   | NP_003020       |
|       |          | transforming protein 1 (SHC1), mRNA    | _                                       |            |                 |
|       |          | /cds=(195,1946) /gb=NM_003029          |   | " • 4      |                 |
|       | [        | /gi=10835030 /ug=Hs 81972 /len=3664    | ( · · · · · · · · · · · · · · · · · · · |            |                 |
|       |          | ngi-10030000 ng-115.01972 nen-3004     |   |            |                 |
| 2000  | 0.005477 | aDNA EL MODO ( E                       | AVOCCOC                                 | 115 44425  |                 |
| 3230  | 0.035177 | cDNA FLJ10004 fis, clone               | AK000866                                | Hs.411490  | 1               |
|       |          | HEMBA1000076 /gb=AK000866              | 1                                       | 1          | {               |
|       |          | /gi=7021190 /ug=Hs.411490 /len=1974    |   | · .        |                 |
|       |          |  |   | 1          |                 |
| 3235  | 0.030249 | histone deacetylase 11 (HDAC11),       | NM 024827                               | Hs.74280   | NP 079103       |
| -     | 3.300270 | mRNA /cds=(25,1068) /gb=NM_024827      |   | 19.7 4200  | 1.11 _0/ 0/ 000 |
|       |          |  | *                                       |            |                 |
|       |          | /gi=13376227 /ug=Hs.74280 /len=1755    |   | Y          | J:              |
|       |          |  |   | 7 1        | 1               |

|          |   | nding To Differentially Expressed Gen  |                                       |                | <u> </u>                                |
|----------|---|--|---------------------------------------|----------------|---|
| Spot     | p-value                                 | Description                            | Gene                                  | Unigene        | Protein                                 |
|          |   |  | Accession No.                         | Accession      | Accession                               |
| 2046     | 0.047024                                | UI-E-EJ0-ail-e-04-0-UI.r1 UI-E-EJ0     | BM727687                              | No.            | No.                                     |
| 3246     | 0.047031                                |  | BIMI151081                            | Hs.446532      | -                                       |
|          |   | cDNA clone UI-E-EJ0-ail-e-04-0-UI 5',  |                                       | 0              |   |
|          |   | mRNA sequence /clone=UI-E-EJ0-ail-e-   |                                       |                |   |
|          |   | 04-0-UI /clone_end=5' /gb=BM727687     | * 4                                   |                |   |
|          |   | /gi=19049020 /ug=Hs.446532             |                                       | . *            |   |
|          |   | /len=1103                              | · · · · · · · · · · · · · · · · · · · |                |   |
| 3280     | 0.014599                                | RETROVIRUS-RELATED POL                 | P11369 U                              | ],             |   |
| بنييت    |   | POLYPROTEIN                            |                                       |                |   |
| 3288     | 0.018784                                | cyclin G2 (CCNG2), mRNA                | NM_004354                             | Hs.79069       | NP_004345                               |
|          | 7                                       | /cds=(136,1170) /gb=NM_004354          |                                       | :              |   |
|          |   | /gi=4757935 /ug=Hs.79069 /len=2044     |                                       |                |   |
| 3294     | 0.018784                                | NCK adaptor protein 1 (NCK1), mRNA     | NM_006153                             | Hs.54589       | NP_006144                               |
| W        |   | /cds=(117,1250) /gb=NM_006153          |                                       |                |   |
| 1 7      |   | /gi=20070226 /ug=Hs.54589 /len=1947    |                                       |                |   |
| <u> </u> |   |  |                                       | 0.5            |   |
| 3296     | 0.00587                                 | monocyte to macrophage differentiation | NM_012329                             | Hs.79889       | NP_036461                               |
|          | · . · · · · · · · · · · · · · · · · · · | associated (MMD), mRNA                 |                                       |                |   |
| 5        |   | /cds=(82,798) /gb=NM_012329            | 2 - 0 · 1                             |                |   |
| * *      | ,                                       | /gi=6912507 /ug=Hs.79889 /len=2533     | 325                                   | ⊕ <sub>*</sub> |   |
| * =      | 10 mm                                   |  |                                       |                | · · · · · · · · · · · · · · · · · · ·   |
| 3299     | 2.32E-04                                | ADP-ribosylation factor 4 (ARF4),      | NM_001660                             | Hs.75290       | NP 001651                               |
|          |   | mRNA /cds=(211,753) /gb=NM_001660      | _                                     |                |   |
|          |   | /gi=6995998 /ug=Hs 75290 /len=1610     |                                       | 1              |   |
|          |   |  |                                       |                | 132                                     |
| 3303     | 0.022106                                | HSPC070 protein (HSPC070), mRNA        | NM 014160                             | Hs.279474      | NP 054879                               |
|          | 3                                       | /cds=(332,1582) /gb=NM_014160          | -                                     |                |   |
|          |   | /gi=8850222 /ug=Hs.279474 /len=3050    |                                       |                | 7-3-1                                   |
|          |   |  |                                       |                |   |
| 3326     | 0.017288                                | of yeast long chain polyunsaturated    | NM_021814                             | Hs.250175      | NP 068586                               |
| 100      |   | fatty acid elongation enzyme 2         | _                                     |                |   |
| *, *     |   | (HELO1), mRNA /cds=(345,1244)          |                                       | 0              |   |
|          | * .                                     | /gb=NM_021814 /gi=21361903             |                                       | <b>.</b> .     |   |
|          |   | /ug=Hs.250175 /len=3011                | *                                     |                | * |
| 3327     | 5.11E-04                                | goliath protein (GP), mRNA             | NM 018434                             | Hs.155718      | NP 060904                               |
|          |   | /cds=(428,1258) /gb=NM_018434          |                                       |                |   |
| 1        | ٠.,                                     | /gi=20127393 /ug=Hs.155718             |                                       |                |   |
|          | · ·                                     | /len=1445                              |                                       |                | (Ton. 1)                                |
| 3336     | 0.009388                                | stromal antigen 2 (STAG2), mRNA        | NM_006603                             | Hs.8217        | NP 006594                               |
| , ,      |   | /cds=(405,3893) /gb=NM_006603          |                                       | 1.10.0211      |   |
|          |   | /gi=27552767 /ug=Hs.8217 /len=4197     |                                       |                |   |
| 3361     | 0.020388                                | integrin, beta 8 (ITGB8), mRNA         | NM_002214                             | Hs.355722      | NP 002205                               |
| 3307     | 0.020000                                | /cds=(681,2990) /gb=NM_002214          | NIVI_UUZZ 14                          | 113.333122     | TVF_002203                              |
|          |   | //Cus={OO 1,2550) /gD=NNI_UUZZ 14      | 1 .                                   | 1.             | 1                                       |
|          |   | /gi=4504778 /ug=Hc 355722 /lon=2790    | <b>S</b> .                            | <b>(</b> .     |   |
|          |   | /gi=4504778 /ug=Hs.355722 /len=3789    |                                       |                | }                                       |

|          |           | iding To Differentially Expressed Gen                             |  |                                       |              |
|----------|-----------|---|--|---------------------------------------|--------------|
| Spot     | p-value   | Description   | Gene   | Unigene                               | Prot in      |
|          |           |   | Accession No.  | Accession                             | Accession -  |
| 1        |           |   |  | No.                                   | No.          |
| 3404     | 0.030249  | protein tyrosine phosphatase, non-                                | NM 015466  | Hs.25524                              | NP_056281    |
|          | 0.000     | receptor type 23 (PTPN23), mRNA                                   |  |                                       | -            |
|          |           | /cds=(62,4972) /gb=NM_015466                                      | and the same of th | (10)                                  |              |
|          |           |   |  |                                       |              |
|          | 1         | /gi=24308072 /ug=Hs.25524 /len=5248                               | •  | ,                                     | 1            |
|          | -         |   |  |                                       |              |
| 3407     | 0.009388  | BCL2/adenovirus E1B 19kD-interacting                              | XM_048077  |                                       |              |
|          |           | protein 3-like (BNIP3L)   |  |                                       |              |
| 3432     | 0.030249  | polypyrimidine tract binding protein 1                            | NM_002819  | Hs.172550                             | NP_787041    |
| Ŷ.       |           | (PTBP1), transcript variant 1, mRNA                               |  |                                       |              |
|          | l         | /cds=(89,1762) /gb=NM_002819                                      |  | **                                    |              |
|          | ( ' '     | /gi=14165462 /ug=Hs.172550  |  |                                       |              |
|          |           | /len=3322   |  |                                       | * *          |
| 3433     | 0.040751  | interferon induced transmembrane                                  | NM 021034  | Hs.381234                             | NP 066362    |
| J-33     | 0.040731  | protein 3 (1-8U) (IFITM3), mRNA                                   | 11141-05-1004  | 113.90 12.54                          | 1,41 _000002 |
|          |           |   |  | 1 9                                   |              |
|          |           | /cds=(238,639) /gb=NM_021034                                      | * * * *  | · · · · · · · · · · · · · · · · · · · | *            |
|          |           | /gi=11995467 /ug=Hs.381234 /len=808                               |  |                                       |              |
| : ,      |           |   |  | <u> </u>                              |              |
| 3444     | 0.035177  | laminin receptor 1 (ribosomal protein                             | NM_002295  | Hs.181357                             | NP_002286    |
| . ,      |           | SA, 67kDa) (LAMR1), mRNA  |  |                                       | *            |
| * .      |           | /cds=(86,973) /gb=NM_002295 \                                     |  | *                                     |              |
|          |           | /gi=9845501 /ug=Hs.181357 /len=1039                               |  |                                       |              |
|          |           | /g. 55 (555 / /dg / /6. 75 / 55. // / / / / / / / / / / / / / / / | *  | *                                     | .,           |
| 3475     | 0.003047  | hypothetical protein FLJ12389 similar to                          | NM 023028  | Hs.239758                             | NP 076417    |
| 3473     | 0.003947  |   | TVIVI_023920   | 115.233730                            | 141 -010411  |
|          |           | acetoacetyl-CoA synthetase  |  |                                       | 2            |
|          | ) ·       | (FLJ12389), mRNA /cds=(149,2167)                                  | ļ ' '  |                                       |              |
|          | ļ         | /gb=NM_023928 /gi=12965198  |  |                                       |              |
| <u> </u> | ,         | /ug=Hs.239758 /len=3253   |  |                                       | <u> </u>     |
| 3476     | 0.03788   | arginine-glutamic acid dipeptide (RE)                             | NM_012102  | Hs.194369                             | NP_036234    |
|          | <b>)</b>  | repeats (RERE), mRNA  |  |                                       | ļ            |
| -        | j         | /cds=(637,5337) /gb=NM_012102                                     | ,  |                                       |              |
|          |           | /gi=19923392 /ug=Hs.194369  | *  |                                       |              |
|          | }         | /len=8035   |  | ]                                     | · ·          |
| 3485     | 0.047021  | Saccharomyces cerevisiae  | NC 001144  | <del> </del>                          | <b> </b>     |
| 3403     | Q.047031  |   | 110_001144   |                                       | · ·          |
| •        |           | chromosome XII, complete  | i i  | 1                                     | }            |
|          |           | chromosome sequence   |  | 1                                     | <b></b>      |
| 3495     | 0.03788   | clone IMAGE:5212110, mRNA   | BC028002   | Hs.386507                             |              |
|          |           | /gb=BC028002 /gi=24081066   |  |                                       | 1            |
| -        | 4.        | /ug=Hs.386507 /len=2415   |  |                                       |              |
| 3506     | 0.035177  | paraspeckle protein 1 (PSP1), mRNA                                | NM_018282  | Hs.16364                              | NP_060752    |
|          |           | /cds=(294,1367) /gb=NM_018282                                     | -  | 1                                     | · -          |
| ***      |           | /gi=8922788 /ug=Hs.16364 /len=1709                                |  | L                                     | 1            |
| 3516     | 0.043700  | PM1-DT0054-231299-002-a09 DT0054                                  | AW364737   | Hs.407368                             | 1            |
| 33 10    | 0.040188  |   |  | 113.407300                            |              |
|          | 1 .       | cDNA, mRNA sequence   | 1  | <b>]</b> . ,                          |              |
|          | 1         | /gb=AW364737 /gi=6869491  |  | 1                                     |              |
|          |           | /ug=Hs.407368 /len=643  |  | <u> </u>                              | <u> </u>     |
|          | 10.032636 | mRNA; cDNA DKFZp586F2423 (from                                    | AL080209   | Hs.13659                              |              |
| 3520     | 0.002000  |   |  |                                       |              |
| 3520     | 0.002000  | clone DKFZp586F2423) /gb=AL080209                                 |  |                                       |              |
| 3520     |           |   | *  |                                       | ***          |

| Genes Corresponding To Differentially Expressed Genes in Figure 20 - RA |                   |   |               |             |              |
|---|-------------------|---|---------------|-------------|--------------|
| Spot  | p-value           | Description                             | Gene          | Unigene     | Prot in      |
|   | - 1               | * 1                                     | Accession No. | Acc ssion   | Accession    |
|   |                   |   |               | No.         | No.          |
| 3524  | 0.045661          | UI-H-DH1-awr-a-12-0-UI.s1               | BQ001533      | Hs.194397   |              |
|   | د ًا مساسم الله ح | NCI_CGAP_DH1 cDNA clone                 |               |             |              |
|   | ' × .             | IMAGE:5893139 3', mRNA sequence         |               | 1           |              |
|   |                   | /clone=IMAGE:5893139 /clone_end=3'      |               |             |              |
|   | 007               | /gb=BQ001533 /gi=19726433               |               | ٠,          |              |
| -   |                   | /ug=Hs.194397 /len=1039                 | * :           | ·           |              |
|   |                   |   |               |             | }            |
| 3527  | 0.008566          | UI-H-FL1-bge-c-14-0-UI.s1               | CA430953      | Hs.397680   | -            |
| 002.  | 0.000000          | NCI_CGAP_FL1 cDNA clone UI-H-FL1-       | O/1-30333     | 115.537000  |              |
|   |                   | bge-c-14-0-UI 3', mRNA sequence         |               |             |              |
|   |                   |   |               |             | ٠.           |
|   | + 1               | /clone=UI-H-FL1-bge-c-14-0-UI           | (10)          | 0           |              |
| 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                 |                   | /clone_end=3' /gb=CA430953              |               |             |              |
|   |                   | /gi=24793679 /ug=Hs.397680              | * * *         | 9           |              |
| · ·   |                   | /len=1105                               |               |             | <u> </u>     |
| 3539  | 0.006463          | ubiquitin C (UBC), mRNA                 | NM_021009     | Hs.183704   | NP_066289    |
| -   |                   | /cds=(136,2193) /gb=NM_021009           | )             |             | 1            |
|   |                   | /gi=20149305 /ug=Hs.183704              |               | · . ,       |              |
|   |                   | /len=2309                               |               |             |              |
| 3540  | 0.032636          | nucleoporin 155kDa (NUP155),            | NM_153485     | Hs.23255    | NP_705618    |
|   | - 49              | transcript variant 1, mRNA              |               | , a         |              |
| * 1   |                   | /cds=(119,4294) /gb=NM_153485           |               |             |              |
|   |                   | /gi=24430148 /ug=Hs.23255 /len=4355     |               | <b>,</b>    |              |
| 7   |                   |   | - *           | (           |              |
| 3542  | 0.030249          | procollagen-proline, 2-oxoglutarate 4-  | NM 004199     | Hs.3622     | NP 004190    |
|   |                   | dioxygenase (proline 4-hydroxylase),    |               |             | 1 T          |
| ٠.  |                   | alpha polypeptide II (P4HA2), mRNA      |               | ·           | 1.           |
|   |                   | /cds=(188,1795) /gb=NM_004199           |               | ĺ           |              |
|   |                   | /gi=4758867 /ug=Hs.3622 /len=2194       |               | 77          |              |
| 3560  | 0.040751          | like mouse brain protein E46 (E46L),    | NM 013236     | Hs.13493    | NP 037368    |
| 3300  | 0.040731          |   | 14141_013230  | 1115. 13433 | [NF-037300   |
| . *   | [                 | mRNA /cds=(199,1626)                    |               | <b>!</b>    |              |
|   |                   | /gb=NM_013236 /gi=7106298               |               |             | * *          |
| 0500  | 0:000045          | /ug=Hs.13493 /len=1971                  | NNA 000400    | 11: 440040  | 110 000474   |
| 3563  | 0:023945          | hydroxyacyl-Coenzyme A                  | NM_000183     | Hs.146812   | NP_000174    |
|   | <b>'</b>          | dehydrogenase/3-ketoacyl-Coenzyme       |               |             | *            |
|   | * <u>-</u>        | A thiolase/enoyl-Coenzyme A hydratase   |               |             |              |
|   |                   | (trifunctional protein), beta subunit   |               |             |              |
|   | 99.               | (HADHB), mRNA /cds=(47,1471)            | -             |             |              |
|   | 1                 | /gb=NM_000183 /gi=4504326               |               | ]           |              |
|   |                   | /ug=Hs.146812 /len=1991                 | F-1.          |             |              |
|   |                   |   |               |             |              |
| 3566  | 0.002893          | Hypothetical protein(cDNA: FLJ23266     | AK026919      |             |              |
|   | 1                 | fis, clone COL06676, highly similar to  |               | } •         |              |
|   |                   | HUMFRCCclone s153 mRNA)                 |               |             |              |
|   | 0.004000          | PTEN (PTEN) gene, exons 3 through 5     | AF143314      | -           | <del> </del> |
| 3570  | 1-0.007339        | (P. LEN (P. LEN) dene. exons 3 mrouan 5 | [Ar 1455 14   |             |              |

|      | p-value  | nding To Differentially Expressed Gen<br>Description | Gene          | Unigene   | Protein       |
|------|----------|--|---------------|-----------|---------------|
| Shor | h-vaine  | Describtion  |               | T         |               |
|      |          |  | Accession No. | Acc ssion | Accession No. |
| 3571 | 0.043799 | proteasome (prosome, macropain) 26S                  | NM 002806     | Hs.79357  | NP_002797     |
|      |          | subunit, ATPase, 6 (PSMC6), mRNA                     |               |           |               |
|      | "-       | /cds=(21,1190) /gb=NM_002806                         | * * * *       | · i       | C:            |
|      |          | /gi=24430159 /ug=Hs.79357 /len=1590                  | ;<br>:        |           |               |
|      |          |  |               |           |               |
| 3576 | 0.02801  | osteoglycin (osteoinductive factor,                  | NM_033014     | Hs.109439 | NP_148935     |
|      |          | mimecan) (OGN), transcript variant 1,                |               |           | ,             |
|      |          | mRNA /cds=(422,1318)                                 |               | 8         |               |
|      | -        | /gb=NM_033014 /gi=14916497                           |               | }         |               |
| ·    |          | /ug=Hs.109439 /len=2976                              |               |           |               |
| 3578 | 0.010277 | DKFZp586D2322 (from clone                            | AL049455      |           | NP_001928     |
| - 1  |          | DKFZp586D2322)                                       |               | ×         |               |
| 3587 | 0.047031 | cAMP responsive element binding                      | NM_134442     | Hs.79194  | NP_604391     |
|      | 1        | protein 1 (CREB1), transcript variant B,             |               |           |               |
| ٠.,  |          | mRNA /cds=(182,1207)                                 |               |           |               |
|      |          | /gb=NM_134442 /gi=22219460                           | 2 -           |           |               |
|      |          | /ug=Hs.79194 /len=3006                               | 8.1           |           | ×             |
| 3591 | 0.047031 | hypothetical protein MGC4415                         | NM_031484     | Hs.209614 | NP_113672     |
|      |          | (MGC4415), mRNA /cds=(154,675)                       |               |           |               |
|      |          | /gb=NM_031484 /gi=13899343                           |               | ·         |               |
|      |          | /ug=Hs:209614 /len=3243                              |               |           | (0)           |
| 3599 | 0.011238 | KDEL (Lys-Asp-Glu-Leu) endoplasmic                   | NM_006855     | Hs.250696 | NP_057839     |
|      |          | reticulum protein retention receptor 3               |               |           | · ·           |
|      |          | (KDELR3), transcript variant 1, mRNA                 |               |           | . 250         |
|      |          | /cds=(157,801) /gb=NM_006855                         |               |           |               |
|      | ;        | /gi=8051612 /ug=Hs 250696 /len=1705                  | 08.7          | <u></u>   |               |
| :    | ļ        |  | *             |           |               |
| 3605 | 0.012276 | KIAA0062 mRNA, partial cds                           | D31887        | Hs.89868  |               |
| ,    |          | /cds=(1,1598) /gb=D31887 /gi=505101                  |               | *         |               |
|      |          | /ug=Hs.89868 /len=4573                               |               |           |               |
| 3606 | 0.012276 | nucleolar protein family A, member 3                 | NM_018648     | Hs.14317  | NP_061118     |
| •    |          | (H/ACA small nucleolar RNPs)                         |               |           |               |
| **   |          | (NOLA3), mRNA /cds=(98,292)                          |               |           | <b>[</b>      |
|      |          | /gb=NM_018648 /gi=15011920                           | . 0. 0.       |           | 1             |
|      |          | /ug=Hs:14317 /len=556                                | L             |           |               |
| 3617 | 0.018784 | microtubule associated testis specific               | NM_015112     | Hs.101474 | NP_055927     |
| ."   |          | serine/threonine protein kinase                      |               |           |               |
|      |          | (MAST205), mRNA /cds=(284,5488)                      |               | 1         | {             |
|      |          | /gb=NM_015112 /gi=14149670                           | 1             |           | ĺ             |
| 171  | <u> </u> | /ug=Hs.101474 /len=5737                              |               | <u></u>   |               |
| 3618 | 0.008566 | ATP synthase, H transporting,                        | NM_001687     | Hs.89761  | NP_001678     |
|      | }        | mitochondrial F1 complex, delta subunit              |               | ,         | -             |
|      |          | (ATP5D), mRNA /cds=(84,590)                          | Ì             | }         | 1             |
|      | * 1      | /gb=NM_001687 /gi=4502296                            | * 0.          |           | <b>.</b> .    |
|      |          | /ug=Hs.89761 /len=994                                |               |           |               |
| 3640 | 0.010277 | PTD015 protein (PTD015), mRNA                        | NM_014040     | Hs.95870  | NP_054759     |
|      |          | /cds=(148,504) /gb=NM_014040                         | _             |           | j . –         |
|      |          | /gi=7662642 /ug=Hs.95870 /len=620                    | · · ·         |           | 1             |

| <u>G nes</u> | Correspo | nding To Differentially Expressed Gen                       | es in Figure 20 -     |                             |                             |
|--------------|----------|---|-----------------------|-----------------------------|-----------------------------|
| Spot         | p-value  | Description   | Gene<br>Accession No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 3653         | 0.030249 | cDNA FLJ39355 fis, clone                                    | AK096674              | Hs.416902                   | 110.                        |
|              |          | PEBLM2003426. /gb=AK096674                                  | ,                     |                             |                             |
|              |          | /gi=21756218 /ug=Hs.416902                                  |                       |                             |                             |
|              |          | /len=2809   | * **                  |                             | \$                          |
| 3655         | 0.020388 | oxysterol binding protein-like 7                            | NM 017731             | Hs.274370                   | NP 665741                   |
|              |          | (OSBPL7), transcript variant 2, mRNA                        | V 2                   |                             | )                           |
|              |          | /cds=(257,2785) /gb=NM_017731                               |                       |                             |                             |
| • =          |          | /gi=22035613 /ug=Hs.274370                                  |                       |                             |                             |
|              |          | /len=3349   | a.                    |                             |                             |
| 3666         | 0.007807 | DAZ associated protein 2 (DAZAP2),                          | NM_014764             | Hs.75416                    | NP_055579                   |
|              | ,        | mRNA /cds=(70,576) /gb=NM_014764                            |                       |                             |                             |
| :            |          | /gi=7661885 /ug=Hs.75416 /len=1897                          | 4.0                   |                             |                             |
|              |          |   |                       |                             | 40.                         |
| 3686         | 0.008566 | autism susceptibility candidate 2                           | NM_015570             | Hs.32168                    | NP_056385                   |
|              |          | (AUTS2), mRNA /cds=(322,4101)                               |                       |                             |                             |
|              | , , ,    | /gb=NM_015570 /gi=17864089                                  | * 101                 |                             |                             |
|              | ,        | /ug=Hs.32168 /len=5972                                      | * .                   |                             | 1                           |
| 3702         | 0.00587  | ferritin, heavy polypeptide 1 (FTH1),                       | NM_002032             | Hs.418650                   | NP_002023                   |
|              | -        | mRNA /cds=(92,664) /gb=NM_002032                            |                       |                             |                             |
|              |          | /gi=4503794 /ug=Hs.418650 /len=801                          |                       | •                           |                             |
| 1-24         |          |   |                       |                             |                             |
| 3704         | 0.002602 | LIM domain protein (RIL), mRNA                              | NM_003687             | Hs.424312                   | NP_003678                   |
| •            |          | /cds=(42,1034) /gb=NM_003687                                |                       |                             |                             |
|              |          | /gi=19923180 /ug=Hs.424312                                  |                       |                             |                             |
| 2715         | 0.007407 | /len=2256   | NIA 005027            | 115 440004                  | ND OCCOO                    |
| 3715         | 0.007107 | POP7 (processing of precursor, S. cerevisiae) (RPP20), mRNA | NM_005837             | Hs.416994                   | NP_005828                   |
|              |          | /cds=(169,591) /gb=NM_005837                                | 2                     |                             |                             |
|              |          | /gi=5032046 /ug=Hs.416994 /len=878                          |                       | *                           |                             |
| 3718         | 0.040751 |   | NM 021004             | Hs.418501                   | NP 066284                   |
| 37 10        | 0.040751 | member 4 (DHRS4), mRNA                                      | 11101_02 1004         | 115.410001                  | INF_000204                  |
| •            |          | /cds=(80,862) /gb=NM_021004                                 |                       | · ·                         |                             |
|              |          | /qi=10337604 /uq=Hs.418501                                  |                       | *                           |                             |
|              |          | /len=1281   |                       |                             |                             |
| 3722         | 0.023945 | clusterin (complement lysis inhibitor, SP                   | NM 001831             | Hs.75106                    | NP_001822                   |
|              |          | 40,40, sulfated glycoprotein 2,                             | 11001001              | 1,10.1,0.100                | 111 _00 1024                |
|              | 0        | testosterone-repressed prostate                             |                       |                             | i i                         |
|              |          | message 2, apolipoprotein J) (CLU),                         | 1                     |                             |                             |
|              |          | mRNA /cds=(48,1397) /gb=NM 001831                           |                       |                             |                             |
|              |          | /gi=4502904 /ug=Hs.75106 /len=1676                          | 1                     | 1                           |                             |
|              | ,        |   |                       |                             |                             |
| 3731         | 0.012276 | prosaposin (variant Gaucher disease                         | NM_002778             | Hs.406455                   | NP_002769                   |
|              |          | and variant metachromatic                                   | <del>-</del>          |                             | _                           |
|              |          | leukodystrophy) (PSAP), mRNA                                |                       | : (                         |                             |
|              |          | /cds=(39,1613) /gb=NM_002778                                |                       |                             | *                           |
|              |          | /gi=11386146 /ug=Hs.406455                                  |                       |                             | 1 4                         |
|              |          | /len=2767   |                       | •                           | 1                           |

| Gen s | Correspon | nding To Differentially Expressed Gen   |                       |                      |                   |
|-------|-----------|---|-----------------------|----------------------|-------------------|
| Spot  | p-value   | Description   | Gene<br>Accession No. | Unigene<br>Accession | Prot in Accession |
| 0700  | 0.000000  | F. 100740   | NIA 047020            | No.                  | No.               |
| 3732  | 0.009388  | hypothetical protein FLJ20718<br>(FLJ20718), mRNA /cds=(228,2012)<br>/gb=NM_017939 /gi=8923644  | NM_017939             | Hs.50579             | NP_060409         |
| .•    |           | /ug=Hs.50579 /len=2658  |                       |                      |                   |
| 3750  | 0.023945  | ferritin, light polypeptide (FTL), mRNA<br>/cds=(189,716) /gb=NM_000146                         | NM_000146             | Hs.430150            | NP_000137         |
|       |           | /gi=20149497 /ug=Hs.430150 /len=878   |                       |                      |                   |
| 3751  | 0.043799  | S100 calcium binding protein A11  | NM_005620             | Hs.417004            | NP_005611         |
|       | , ÷       | (calgizzarin) (S100A11), mRNA<br>/cds=(121,438) /gb=NM_005620                                   |                       |                      |                   |
| 3757  | 0.025911  | /gi=5032056 /ug=Hs.417004 /len=595<br>tübulin, gamma complex associated                         | NM 006659             | Hs.13386             | NP 006650         |
| 3131  | 0.023911  | protein 2 (TUBGCP2), mRNA   | 14IVI_000039          | 1115.15500           | 141 _000050       |
| 3.11  |           | /cds=(64,2772) /gb=NM_006659<br>/gi=5729839 /ug=Hs.13386 /len=2846                              |                       |                      | 3                 |
| 3760  | 0.035177  | cleavage and polyadenylation specific factor 3, 73kDa (CPSF3), mRNA                             | NM_016207             | Hs.16251             | NP_057291         |
|       |           | /cds=(36,2090) /gb=NM_016207<br>/gi=21314666 /ug=Hs.16251 /len=2286                             |                       |                      | *                 |
| 3787  | 0.011238  | secretory leukocyte protease inhibitor  | NM 003064             | Hs.251754            | NP 003055         |
| 0,0,  | 0.011200  | (antileukoproteinase) (SLPI), mRNA  |                       | 113.201704           |                   |
|       | .*        | /cds=(23,421) /gb=NM_003064<br>/gi=15834622 /ug=Hs.251754 /len=598                              | *                     |                      | • % -             |
| 0704  | 0.000400  |   | 1114 00 4005          | 11 0075              | ND COFCO          |
| 3791  | 0.022106  | TNF receptor-associated factor 4 (TRAF4), transcript variant 1, mRNA                            | NM_004295             | Hs.8375              | NP_665694         |
|       | f         | /cds=(86,1498) /gb=NM_004295<br>/gi=22027621 /ug=Hs.8375 /len=1999                              |                       |                      |                   |
| 3793  | 0.013394  | myosin, light polypeptide 5, regulatory (MYL5), mRNA /cds=(106,627)                             | NM_002477             | Hs.170482            | NP_002468         |
|       |           | /gb=NM_002477 /gi=4505304<br>/ug=Hs.170482 /len=661   |                       |                      |                   |
| 3797  | 0.004367  | KIAA0081 mRNA, partial cds  | D42039                | Hs.78871             | <del></del>       |
|       |           | /cds=(1,708) /gb=D42039 /gi=20521875<br>/ug=Hs.78871 /len=4174                                  |                       |                      | -                 |
| 3798  | 0.003603  | chromodomain helicase DNA binding   | NM 001273             | Hs.74441             | NP 001264         |
| 3130  | 0.002002  | protein 4 (CHD4), mRNA<br>/cds=(90,5828) /gb=NM_001273  | 14.01273              | 1 13.1 777 1         | 141 _001204       |
|       | · ·       | /gi=4557452 /ug=Hs.74441 /len=6417  |                       |                      |                   |
| 3805  | 0.043799  | hypothetical protein FLJ10350<br>(FLJ10350), mRNA /cds=(676,2340)<br>/gb=NM 018067 /gi=21361780 | NM_018067             | Hs.177596            | NP_060537         |
|       | <u></u> _ | /ug=Hs.177596 /len=2811   |                       | *                    | .,                |

| Genes | Correspon | nding To Diff rentially Expressed Gen       | es in Figure 20 -                       | RA         |             |
|-------|-----------|---|---|------------|-------------|
|       |           | Description                                 | Gene                                    | Unigene    | Protein     |
|       |           |   | Accession No.                           | Accession  | Accession   |
|       |           |   |   | No.        | No.         |
| 3879  | 0.035177  | DEAD/H (Asp-Glu-Ala-Asp/His) box            | NM 004728                               | Hs.169531  | NP 004719   |
|       |           | polypeptide 21 (DDX21), mRNA                |   |            |             |
|       |           | /cds=(266,2413) /gb=NM_004728               |   |            |             |
| ·     |           | /gi=13787208 /ug=Hs.169531                  |   | * *        | •           |
|       |           | /len=3319                                   |   |            | *           |
| 3891  | 0.019794  | FLJ33146 fis, clone UTERU2000197,           | AK057708                                | Hs.19500   | 7.e         |
| 2091  | 0.016764  | moderately similar to Homo sapiens          | AK037700                                | 115.19500  |             |
| •     |           |   | * | (X)        |             |
|       |           | nuclear localization signal containing      |   |            | ÷.          |
|       |           | protein deleted in Velo-Cardio-Facial       | 7 12                                    | * 7        |             |
|       |           | syndrome (Nlvcf) mRNA                       | , ,                                     |            |             |
|       |           | /cds=UNKNOWN /gb=AK057708                   |   |            | * .         |
|       |           | /gi=16553625 /ug=Hs.19500 /len=3512         |   |            | ı.          |
| 4     |           |   |   |            | 4 4 4 4     |
| 3905  | 0.020388  | paraneoplastic antigen MA1 (PNMA1),         | NM_006029                               | Hs 194709  | NP_006020   |
|       |           | mRNA /cds=(665,1726)                        |   | * *        | ) «         |
| -     |           | /gb=NM_006029./gi=14719429                  |   |            | enn.        |
|       |           | /ug=Hs.194709 /len=2530                     |   |            |             |
| 3937  | 0.02801   | nuclear receptor binding factor-2           | NM 030759                               | Hs.27181   | NP 110386   |
|       |           | (NRBF-2), mRNA /cds=(180,1043)              | *                                       |            |             |
|       |           | /gb=NM_030759 /gi=13540514                  |   |            |             |
|       |           | /ug=Hs.27181 /len=1866                      |   |            |             |
| 3958  | 0.012276  | CGI-150 protein (CGI-150), mRNA             | NM_016080                               | Hs.279061  | NP 057164   |
| 3300  | 0.012270  | /cds=(202,1716) /gb=NM_016080               | 14111_010000                            | 113.273001 | _007 104    |
| -     |           | /gi=7705645 /ug=Hs.279061 /len=2580         |   | * 1        |             |
|       |           | /gi=1703043/ug=i15.279001/leti=2300         |   |            | 0.          |
| 2050  | 0.047024  | antia biadina antaia 22 kDa (CM22)          | AE042744                                |            |             |
| 3959  | 0.047031  | actin-binding protein 22 kDa (SM22)         | AF013711                                |            |             |
| 0005  | 0.00500   | gene, complete cds                          | NIA 000005                              | 11 007004  | ND 000000   |
| 3965  | 0.008566  | serine (or cysteine) proteinase inhibitor,  | NM_000295                               | Hs.297681  | NP_000286   |
|       |           | clade A (alpha-1 antiproteinase,            |   |            |             |
|       |           | antitrypsin), member 1 (SERPINA1),          | i e e e                                 |            | 40          |
|       |           | mRNA /cds=(233,1489)                        |   |            |             |
|       |           | /gb=NM_000295 /gi=21361197                  | ·                                       |            | w ()        |
|       |           | /ug=Hs.297681 /len=1584                     | *                                       |            |             |
| 3972  | 0.003563  | chitinase 3-like 1 (cartilage glycoprotein- | NM_001276                               | Hs.75184   | NP_001267   |
|       |           | 39) (CHI3L1), mRNA /cds=(127,1278)          |   |            |             |
| -     | . *       | /gb=NM_001276 /gi=4557017                   | 8 .                                     |            | 1           |
|       |           | /ug=Hs.75184 /len=1925                      |   | ļ          |             |
| 3997  | 0.022106  | NADH dehydrogenase (ubiquinone)             | NM_021074                               | Hs.51299   | NP_066552   |
|       |           | flavoprotein 2, 24kDa (NDUFV2),             |   | 1          |             |
|       | ] ·       | mRNA /cds=(19,768) /gb=NM_021074            |   |            |             |
|       |           | /gi=10835024 /ug=Hs.51299 /len=827          | 1                                       | y - 0      |             |
|       |           | /gi-10030024 /ug-115.31233 /lefi-02/        |   |            | 2           |
| 4002  | 0.00597   | mothylmologyl CoA onimerces (MCCET)         | NM 032601                               | Hs.94949   | NP 115990   |
| 4003  | 0.00587   | methylmalonyl CoA epimerase (MCEE),         | 14141_032001                            | IU2:24242  | 1112_115990 |
|       |           | mRNA /cds=(11,541) /gb=NM_032601            | ]                                       |            | <u> </u>    |
| ,     |           | /gi=21314761 /ug=Hs.94949 /len=850          |   | 12.        |             |
|       |           | N   |   |            | l'          |

| Genes | s Corresponding To Differentially Expressed Genes in Figure 20 - RA |  |               |             |             |
|-------|---|--|---------------|-------------|-------------|
| Spot  | p-value   | Description  | Gene          | Unigene     | Protein     |
|       | -   |  | Accession No. | Accession   | Accession   |
|       |   |  |               | No.         | No.         |
| 4005  | 0.001878  | UI-E-EJ0-aig-m-03-0-UI s1 UI-E-EJ0   | BM677964      | Hs.439607   |             |
|       |   | cDNA clone UI-E-EJ0-aig-m-03-0-UI 3',  |               |             | <u>.</u>    |
|       |   | mRNA sequence /clone=UI-E-EJ0-aig-   |               |             |             |
|       |   | m-03-0-UI /clone_end=3'  |               |             |             |
|       |   | /gb=BM677964 /gi=18987860  | ÷,            | [           |             |
|       | A   | /ug=Hs.439607 /len=1043  |               |             |             |
| 4006  | 0.010277  | protein kinase D2 (PRKD2), mRNA  | NM 016457     | Hs.91146    | NP 057541   |
|       |   | /cds=(40,2676) /gb=NM 016457   |               |             |             |
| -     |   | /gi=19923467 /ug=Hs.91146 /len=2900  | *             |             |             |
|       |   | 91 10020 107 749 110.01.110 110.11 2000  |               |             |             |
| 4008  | 9.43F-04  | jagged 1 (Alagille syndrome) (JAG1),   | NM 000214     | Hs.91143    | NP 000205   |
| .4000 | J.45L-04  | mRNA /cds=(414,4070) (57.51)   | WI_000214     | 113.51140   | 141 _000203 |
|       |   | /gb=NM_000214 /gi=4557678  |               | * «         |             |
|       |   | /ug=Hs.91143 /len=5896   |               |             |             |
| 4025  | 0.014500  | cytochrome c oxidase subunit Vb'   | NM 001862     | Hs 1342     | NP 001853   |
| 4023  | 0.014599  | (COX5B), nuclear gene encoding   | 14W_001002    | 1115.1342   | INF_001055  |
| _ / · |   |  |               |             | *           |
|       |   | mitochondrial protein, mRNA  | 8 "           |             |             |
|       |   | /cds=(30,419) /gb=NM_001862  |               |             |             |
| 4000  | 0.040704  | /gi=17017987 /ug=Hs 1342 /len=523  | NINA 000045   | 11- 45 4454 | ND 000000   |
| 4033  | 0.018784  | protein tyrosine phosphatase, receptor   | NM_002845     | Hs.154151   | NP_002836   |
| ٠     |   | type, M (PTPRM), mRNA /cds=(1,4359)  |               |             |             |
|       | *   | /gb=NM_002845 /gi=18860903   |               |             |             |
|       |   | /ug=Hs.154151 /len=5065  |               |             |             |
| 1     |   |  |               |             |             |
| 4046  | 0.030249  | polymerase (RNA) II (DNA directed)   | NM_032940     | Hs.79402    | NP_116558   |
|       |   | polypeptide C, 33kDa (POLR2C),   |               |             |             |
|       |   | transcript variant gamma, mRNA   | [ ;           |             | 4 N         |
| :     | γ.  | /cds=(58,885) /gb=NM_032940  |               |             |             |
|       | ,   | /gi=14702170 /ug=Hs.79402 /len=1782  |               | ľ ·         |             |
|       |   |  |               |             |             |
| 4064  | 0.012276  | ubiquitin-like 5 (UBL5), mRNA  | NM_024292     | Hs.13836    | NP_077268   |
|       |   | /cds=(66,287) /gb=NM_024292  | •             |             |             |
|       |   | /gi=13236509 /ug=Hs.13836 /len=413   | <u> </u>      | -           |             |
| 4078  | 0.035177  | retinoblastoma binding protein 8   | NM_002894     | Hs.29287    | NP_002885   |
|       |   | (RBBP8), mRNA /cds=(299,2992)  |               |             |             |
|       | n 2   | /gb=NM_002894 /gi=4506440  |               |             | 1.          |
|       |   | /ug=Hs.29287 /len=3246   |               |             |             |
| 4087  | 0.005843  | TAF12 RNA polymerase II, TATA box  | NM_005644     | Hs.421646   | NP_005635   |
|       | *   | binding protein (TBP)-associated factor,   | -             | . *         |             |
|       | 6   | 20kDa (TAF12), mRNA /cds=(167,652)   |               |             |             |
| 8.    |   | /gb=NM_005644 /gi=9943840  | 444           |             |             |
|       |   | /ug=Hs.421646 /len=1113  | 1 .           |             | 1.          |
|       | * *   |  |               |             |             |
| 4103  | 0.015895  | protein kinase C, nu (PRKCN), mRNA   | NM 005813     | Hs.143460   | NP 005804   |
|       |   |  |               |             |             |
|       | 1   |  | 1             |             |             |
|       |   |  |               |             |             |
| 4103  | 0.015895  | protein kinase C, nu (PRKCN), mRNA<br>/cds=(556,3228) /gb=NM_005813<br>/gi=6563384 /ug=Hs.143460 /len=5792 | NM_005813     | Hs.143460   | NP_00       |

| 4118 |          | Description                               | Gene          | Unigene                                  | Protein             |
|------|----------|---|---------------|--|---------------------|
|      | 0.040077 | · · · · · · · · · · · · · · · · · · ·     |               |  |                     |
|      | 0.040077 |   | Accession No. | Accession                                | Accession           |
|      | 0.040077 |   | •             | No.                                      | No.                 |
|      | 0.010277 | HSPC154 protein (HSPC154), mRNA           | NM_014177     | Hs.7922                                  | NP_054896           |
|      |          | /cds=(200,946) /gb=NM_014177              | $I_{\infty}$  | *  |                     |
|      |          | /gi=7661809 /ug=Hs.7922 /len=1343         |               | · · · · · · · · · · · · · · · · · · ·    | - 1.                |
| 4121 | 0.018784 | natural killer cell enhancing factor      | L19184        |  | NP_002565           |
|      | * * *    | (NKEFA)                                   |               |  |                     |
| 4131 | 0.032636 | thymosin, beta 4, X chromosome            | NM_021109     | Hs.75968                                 | NP_066932           |
| *    |          | (TMSB4X), mRNA /cds=(78,212)              |               |  |                     |
|      |          | /gb=NM_021109 /gi=11056060                |               | *  |                     |
|      | 1        | /ug=Hs.75968 /len=556                     |               |  |                     |
| 4133 |          | vimentin (VIM), mRNA /cds=(123,1523)      | NM 003380     | Hs 297753                                | NP 000995           |
|      |          | /gb=NM_003380 /gi=4507894                 |               |  |                     |
| ļ    |          | /ug=Hs.297753 /len=1851                   | * *           |  | ļ. " · · · ·        |
|      |          |   |               |  |                     |
| 4134 | 0.040751 | fosB                                      | X14897        | 7  | NP 032062           |
|      |          | RAB10, member RAS oncogene family         | NM_016131     | Hs 236494                                | NP_057215           |
|      |          | (RAB10), mRNA /cds=(91,693)               | _             |  | - 1 - 1 - 1         |
|      |          | /gb=NM_016131 /gi=7705848                 |               |  | ***                 |
|      |          | /ug=Hs.236494 /len=3164                   |               |  |                     |
| 4147 | 0.02801  | GNAS complex locus (GNAS),                | NM 080425     | Hs.374523                                | NP 536351           |
|      |          | transcript variant 3, mRNA                |               |  | T                   |
|      |          | /cds=(1,2730) /gb=NM_080425               | of the        |  |                     |
|      |          | /gi=18426897 /ug=Hs.374523                |               |  |                     |
|      |          | /len=3091                                 |               |  |                     |
| 4148 |          | FUSE binding protein 3 (FBP3) mRNA,       | U69127        | Hs.153636                                |                     |
|      |          | partial cds. /cds=(1,1803) /gb=U69127     |               |  |                     |
|      |          | /gi=1575608 /ug=Hs.153636 /len=3131       |               |  |                     |
|      |          |   |               |  |                     |
| 4152 | 0.022106 | CG9469 gene product                       | AAF57414      | # ** · · · · · · · · · · · · · · · · · · | 1 1 2 2 2 2 2 2 2 2 |
| 4153 |          | KIAA0423 mRNA, partial cds.               | AB007883      | Hs.111373                                |                     |
|      |          | /cds=(206,5377) /gb=AB007883              |               |  |                     |
|      | ·        | /gi=20521046 /ug=Hs.111373                |               |  |                     |
|      |          | /len=6246                                 |               | *  |                     |
| 4164 |          | translocated promoter region (to          | NM 003292     | Hs.169750                                | NP 003283           |
|      |          | activated MET oncogene) (TPR),            |               |  |                     |
|      |          | mRNA /cds=(298,7347)                      |               |  | ** :                |
|      |          | /gb=NM_003292 /gi=4507658                 |               | J <sup>10</sup>                          |                     |
|      | •        | /ug=Hs.169750 /len=7497                   |               |  |                     |
| 4171 | 0.00587  | AGENCOURT 7591767 NIH MGC 92              | BQ228526      | Hs.282204                                |                     |
|      |          | cDNA clone IMAGE:6067123 5', mRNA         |               |  | 0 1                 |
|      |          | sequence /clone=IMAGE:6067123             |               |  |                     |
|      | 6.8      | /clone end=5' /gb=BQ228526                | 4             |  |                     |
|      |          | /gi=20409926 /ug=Hs.282204                | . *           |  |                     |
| s    |          | /len=1263                                 | = '           |  |                     |
|      |          | * /                                       | * .           |  |                     |
| 4187 | 0.018784 | serine protease inhibitor, Kunitz type, 2 | NM 021102     | Hs.31439                                 | NP_066925           |
|      | 3.3.0.0  | (SPINT2), mRNA /cds=(301,1059)            |               |  |                     |
| . (1 |          | /gb=NM_021102 /gi=10863908                | *             | 1  |                     |
|      | 1.0      | /ug=Hs.31439 /len=1544                    |               |  | ÷                   |
| 4192 | 0.040751 | ribosomal 28S RNA                         | M11167        |  | w. y                |

| G nes     | Correspo  | nding To Differentially Expressed Gen     | es in Figur 20 - |              | <u> </u>   |
|-----------|-----------|---|------------------|--------------|------------|
| Spot      | p-value   | Description                               | Gen              | Unigene      | Protein    |
|           |           | · A · · ·                                 | Acc ssion No.    | Accession    | Accession  |
|           |           |   |                  | No.          | No.        |
| 4209      | 0.009388  | cDNA FLJ39491 fis, clone                  | AK096810         | Hs.274170    | NP 852480  |
|           | *******   | PROST2015924, weakly similar to Opa-      |                  | ,            |            |
|           | <u> </u>  | interacting protein OIP2 mRNA.            |                  |              | ·          |
|           |           | /gb=AK096810 /gi=21756383                 | ; :<br>, .       |              |            |
|           |           | /ug=Hs.274170 /len=2835                   |                  | 1            | *          |
| 4000      | 0.005335  |   | NM_002952        | Hs.356360    | NP 002943  |
| 4220      | 0.005325  | ribosomal protein S2 (RPS2), mRNA         | NINI_002932      | [FIS.330300  | INF_002943 |
|           |           | /cds=(12,893) /gb=NM_002952               |                  |              |            |
| ,         |           | /gi=15055538 /ug=Hs.356360 /len=978       | 0                |              |            |
|           |           |   |                  |              |            |
| 4221      |           | ras inhibitor                             | M37190           |              | NP_061866  |
| 4225      | 0.002096  | Parkinson disease (autosomal              | NM_007262        | Hs.10958     | NP_009193  |
|           |           | recessive, early onset) 7 (PARK7),        |                  |              | · ·        |
|           |           | mRNA /cds=(21,590) /gb=NM_007262          |                  |              |            |
|           |           | /gi=6005748 /ug=Hs 10958 /len=842         |                  |              | * *        |
|           |           |   |                  |              | 100        |
| 4244      | 0.047031  | mRNA for KIAA0121 protein, partial        | D50911           | Hs.155584    |            |
| •         |           | cds. /cds=(411,1301) /gb=D50911           |                  |              | ·          |
|           |           | /gi=6633996 /ug=Hs.155584 /len=3787       |                  |              |            |
| 型表 "      |           | <b>3</b> . ••••••                         |                  |              |            |
| 4253      | 0.011745  | cartilage associated protein (CRTAP),     | NM 006371        | Hs.155481    | NP_006362  |
| 1200      | 0.0111210 | mRNA /cds=(12,1217) /gb=NM_006371         |                  | 1,10.100.107 |            |
|           | - ×       | /gi=21536278 /ug=Hs.155481                | ****             |              |            |
|           | :         | /len=2307                                 |                  |              |            |
| 4262      | 0.043799  | peptidylprolyl isomerase B (cyclophilin : | NM 000942        | Hs.394389    | NP 000933  |
| 4202      | 0.043/99  | B) (PPIB), mRNA /cds=(150,800)            | 114141_000942    | 113.354305   | MP_000922  |
|           |           |   | ,<br>A.          |              |            |
|           |           | /gb=NM_000942 /gi=20149505                |                  | * .          | ļ          |
| 10.5      |           | /ug=Hs.394389 /len=1028                   |                  |              |            |
| 77 - 2 77 |           |   |                  | 1            |            |
| 4264      | 0.004825  | syntrophin, alpha 1 (dystrophin-          | NM_003098        | Hs.31121     | NP_003089  |
|           |           | associated protein A1, 59kDa, acidic      |                  |              |            |
|           | 4.5       | component) (SNTA1), mRNA                  | 1                |              |            |
| •         | * *       | /cds=(273,1790) /gb=NM_003098             |                  | 1            |            |
|           | . ; * .   | /gi=18765742 /ug=Hs.31121 /len=2345       |                  | 0            | : '        |
|           | <u> </u>  |   | <u> </u>         | * -          |            |
| 4268      | 0.001878  | reticulon 3 (RTN3), mRNA                  | NM_006054        | Hs.252831    | NP_006045  |
|           |           | /cds=(125,835) /gb=NM_006054              |                  | 1            |            |
|           | -         | /gi=5174654 /ug=Hs.252831 /len=2524       | . 3              | 1.           | - A        |
|           |           | *   | *                | **           |            |
| 4296      | 0.043799  | splicing factor 3b, subunit 2, 145kD,     | BC000401         | Hs.406423    | 1 12 12 12 |
|           |           | clone IMAGE:2822659, mRNA, partial        |                  |              |            |
|           | }         | cds /cds=(1,2696) /gb=BC000401            |                  |              | 1          |
|           |           | /gi=12653264 /ug=Hs.406423                | <br>X            |              | 1.         |
|           |           | //len=2873                                |                  |              | 1          |
|           | L         | /IEII-20/3                                |                  | <u> </u>     | <u> </u>   |

| Genes | Correspon   | nding To Diff rentially Expressed Gen                                     | es in Figure 20 -    | RA                      | * |
|-------|-------------|---|----------------------|-------------------------|---|
|       |             | Description   | Gen<br>Accession No. | Unigene<br>Accession    | Protein<br>Accession                    |
| 4204  | 0.020240    | 1 could vooral 2 pheenhote O  | NM_006411            | <b>No.</b><br>Hs.240534 | <b>No.</b><br>NP 116130                 |
| 4304  | 0.030249    | 1-acylglycerol-3-phosphate O-<br>acyltransferase 1 (lysophosphatidic acid | 14141_000411         | ns.240034               | MF_110130                               |
|       |             | acyltransferase i (lysophosphattic acid                                   |                      |                         | · · · · · · · · · · ·                   |
| 1     |             | transcript variant 1, mRNA  | V                    |                         |   |
| •     |             | /cds=(319,1170) /gb=NM 006411   |                      |                         |   |
| , ,   |             | /gi=26787964 /ug=Hs.240534  |                      | . * -                   |   |
|       |             | /len=2242   | •                    | c ±                     | ) ·                                     |
| 4308  | 0.013394    | Kruppel-like factor (LOC51713), mRNA                                      | NM 016270            | Hs.107740               | NP_057354                               |
|       |             | /cds=(85,1152) /gb=NM_016270  |                      |                         | , <del>-</del> ,                        |
| -     |             | /gi=7706468 /ug=Hs.107740 /len=1647                                       | . •                  |                         | *                                       |
| •. •  | /           |   |                      |                         |   |
| 4309  | 0.012276    | aminopeptidase puromycin sensitive  | NM_006310            | Hs.293007               | NP_006301                               |
|       |             | (NPEPPS), mRNA /cds=(196,2823)  | *                    | :                       |   |
| 00    |             | /gb=NM_006310 /gi=15451906  |                      | Í                       |   |
|       |             | /ug=Hs.293007 /len=4177   |                      |                         |   |
| 4316  | 0.007807    | UPF2 regulator of nonsense transcripts                                    | NM_080599            | Hs.3862                 | NP_542166                               |
| , ,   | *           | (yeast) (UPF2), transcript variant 1,                                     |                      | . •                     |   |
| ,     | 1 .         | mRNA /cds=(130,3948)  |                      | Į.                      |   |
| ¥     |             | /gb=NM_080599 /gi=18375675  | * **                 |                         |   |
| 4000  | 0.000500    | /ug=Hs.3862 /len=5223   | NA 00000C            | 11- 450004              | ND: 000007                              |
| 4339  | 0.003539    | lamin B receptor (LBR), mRNA  | NM_002296            | HS. 152931              | NP_002287                               |
|       |             | /cds=(76,1923) /gb=NM_002296<br>/gi=4504960 /ug=Hs.152931 /len=3714       |                      |                         |   |
| 4.    | 100         | rgi-4504900 rug-Hs. 152951 rieti-57 14                                    |                      | · .                     |   |
| 4340  | 0.008566    | heat shock 90kDa protein 1, beta  | NM 007355            | Hs.74335                | NP_031381                               |
| ,0,0  | 3.55555     | (HSPCB), mRNA /cds=(85,2259)  |                      |                         |   |
|       | ,           | /gb=NM_007355 /gi=20149593  |                      | _                       |   |
|       | *           | /ug=Hs.74335 /len=2567  |                      |                         |   |
| 4341  | 0.014599    | splicing factor, arginine/serine-rich 9                                   | NM_003769            | Hs.77608                | NP_003760                               |
|       |             | (SFRS9), mRNA /cds=(53,718)   |                      |                         |   |
|       |             | /gb=NM_003769 /gi=4506902   | l                    |                         |   |
|       |             | /ug=Hs.77608 /len=1069  |                      |                         |   |
| 4342  | 0.025911    | RNA binding protein S1, serine-rich                                       | NM_006711            | Hs.75104                | NP_542161                               |
|       |             | domain (RNPS1), transcript variant 1,                                     |                      |                         |   |
|       |             | mRNA /cds=(252,1169)  |                      |                         |   |
|       | 1           | /gb=NM_006711 /gi=18379335  |                      |                         |   |
| 10.40 | 0.000000    | /ug=Hs.75104 /len=2038  | NINA 000005          | Un 200007               | ND 000000                               |
| 4343  | 0.002893    | lectin, galactoside-binding, soluble, 1                                   | NM_002305            | Hs.382367               | NP_002296                               |
|       |             | (galectin 1) (LGALS1), mRNA   |                      |                         |   |
|       |             | /cds=(69,476) /gb=NM_002305<br>/gi=6006015 /ug=Hs.382367 /len=526         | 0 %                  |                         |   |
| 4345  | 0.007907    | faciogenital dysplasia (Aarskog-Scott                                     | NM 004463            | Hs.1572                 | NP 004454                               |
| 4343  | 0.007607    | syndrome) (FGD1), mRNA  | 114101_004403        | 113,10/2                | 141004404                               |
| ٠.    | Į           | /cds=(735,3620) /gb=NM_004463   | - 0                  | ]                       |   |
|       |             | /gi=24797152 /ug=Hs.1572 /len=4291  |                      |                         |   |
| 4349  | 0.004825    | class I cytokine receptor (zcytor5)                                       | AF178684             |                         | NP 004741                               |
| 10-10 | 1 0.00 7020 | 15.555 i of totalico receptor (20) total                                  | 1                    | <del></del>             |   |

| Genes    | Correspon | nding To Differentially Expressed G n                             | es in Figure 20 -    | RA            |            |
|----------|-----------|---|----------------------|---------------|------------|
| Spot     | p-value   | Description   | G ne                 | Unigen        | Protein    |
|          |           | *                           | Accession No.        | Accession     | Accession  |
| -        |           | * O   | . :-                 | No.           | No.        |
| 4352     | 0.009388  | zinc finger protein 38 (ZNF38), mRNA                              | NM_145914            | Hs.20082      | NP_666019  |
|          |           | /cds=(98,1519) /gb=NM_145914                                      |                      |               | _          |
| 13.79    |           | /gi=27544930 /ug=Hs.20082 /len=1960                               | e e see jare la jare |               | a          |
|          |           |   |                      | *             |            |
| 4376     | 0.009388  | KIAA0089 protein (KIAA0089), mRNA                                 | NM 015141            | Hs.82432      | NP 055956  |
|          |           | /cds=(66,1121) /gb=NM_015141                                      |                      |               |            |
|          |           | /gi=24307998 /ug=Hs.82432 /len=3959                               |                      |               |            |
|          |           | , g   | *                    | j. ·          |            |
| 4404     | 0.012276  | KIAA1723 protein, partial cds                                     | AB051510             | Hs.8700       | NP 006085  |
|          | 0.0.22.0  | /cds=UNKNOWN /gb=AB051510   | 1.5001010            | 11.0.07.00    |            |
| *        |           | /gi=12697990 /ug=Hs.8700 /len=7365                                |                      |               |            |
| 4408     | 0.018784  | mRNA for KIAA1165 protein, partial                                | AB032991             | Hs.30340      | 73.77 3    |
|          | 0.010704  | cds. /cds=(1,855) /gb=AB032991                                    | ND002051             | 113.00040     |            |
| 70       | }         | /gi=6330170 /ug=Hs.30340 /len=4415                                | - X                  |               |            |
| 4415     | 0.030340  | kinectin 1 (kinesin receptor) (KTN1),                             | NM 004986            | Hs.418467     | NP 004977  |
| יו דיָר  | 0.000249  | mRNA /cds=(84,3986) /gb=NM_004986                                 |                      | 15.410407<br> | INF_004977 |
|          |           | /gi=4826813 /ug=Hs.418467 /len=4457                               |                      |               | *          |
|          |           | /gi-4020013 /ug-Hs.4 10407 /leji-4437                             |                      |               |            |
| 4423     | 0.035177  | CD63 antigen (melanoma 1 antigen)                                 | NM 001780            | Hs.433996     | NP 001771  |
| 4423     | 0.000177  | (CD63), mRNA /cds≈(95,811)  | 14141 00 1700        |               | NAE_OOT//  |
| <i>!</i> |           | /gb=NM_001780 /gi=21237758  | ***                  | = 1           | 0 ()       |
|          |           | /ug=Hs.433996 /len=925  |                      | -             |            |
| 4428     | 0.020200  | mRNA for KIAA1421 protein, partial                                | AB037842             | Hs.117268     |            |
| 4420     | 0.020366  | cds. /cds=(1,4391) /gb=AB037842                                   | AD037642             | ПS.11/200     |            |
|          | - 10      | /gi=7243222 /ug=Hs.117268 /len=4391                               |                      |               |            |
|          |           | /gi=7243222 /dg=Hs.117200 /leii=4391                              |                      |               |            |
| 4435     | 0.011239  | clone IMAGE:3633225, mRNA   | BC012758             | Hs.356377     |            |
| 4433     | 0.011236  | /gb=BC012758 /gi=15706478   | BC012756             | IDS.330377    |            |
|          |           |   | x y' en              |               |            |
| 4440     | 0.020200  | /ug=Hs.356377 /len=1914   | NA 000674            | 110 70000     | ND 000CCO  |
| 4440     | 0.020388  | alcohol dehydrogenase 5 (class III), chi polypeptide (ADH5), mRNA | 1 / 6000  <br>       | Hs.78989      | NP_000662  |
|          |           |   |                      | <u> </u>      |            |
|          | -         | /cds=(163,1287) /gb=NM_000671                                     |                      | -             |            |
|          |           | /gi=11496890 /ug=Hs.78989 /len=2496                               |                      |               |            |
| 4450     | 10.00004  |   | A 10774 40           |               |            |
| 4453     | *0.02801  | partial RAB18 gene for RAS-related                                | AJ277148             | • -           |            |
| 4450     | 0.002562  | small GTPase RAB18, exons 4-6 nonerythroid beta-spectrin          | 1.00007              |               |            |
| 4459     |           |   | L02897               | 11- 5040      | ND 000004  |
| 4471     | 0.025911  | proteasome (prosome, macropain) 26\$                              | INIVI_UU2813         | Hs.5648       | NP_002804  |
| •        |           | subunit, non-ATPase, 9 (PSMD9),                                   |                      |               | i ·        |
| * *      |           | mRNA /cds=(96,767) /gb=NM_002813                                  |                      | *             |            |
|          |           | /gi=18543328 /ug=Hs.5648 /len=2338                                |                      |               |            |
| 4407     | 0.032626  | clobe 2 maggadahulin (AQMA) DALA                                  | NIM 000044           | 11- 74504     | ND 000005  |
| 4487     | 0.032036  | alpha-2-macroglobulin (A2M), mRNA                                 | NM_000014            | Hs.74561      | NP_000005  |
|          | -()-      | /cds=(44,4468) /gb=NM_000014                                      | · ·                  | <b>!</b>      | . **       |
|          |           | /gi=6226959 /ug=Hs.74561 /len=4577                                | <u> </u>             | <u> </u>      | <u> </u>   |

| Genes   | Correspor    | nding To Differentially Expressed Gen    | es in Figur 20 -                    | RA         |                   |
|---------|--------------|--|-------------------------------------|------------|-------------------|
|         |              | Description                              | Gene                                | Unigene    | Protein           |
|         | -            |  | Accession No.                       | Accession  | Accession         |
|         |              |  |                                     | No.        | No.               |
| 4492    | 0.017288     | UI-E-CL1-afd-f-14-0-UI.r1 UI-E-CL1       | BM692513                            | Hs.446595  |                   |
|         |              | cDNA clone UI-E-CL1-afd-f-14-0-UI 5',    |                                     |            |                   |
|         |              | mRNA sequence /clone=UI-E-CL1-afd-f      |                                     |            | ere e e e e e e e |
|         |              | 14-0-UI /clone_end=5' /gb=BM692513       | • 00                                |            |                   |
|         |              | /gi=19005771 /ug=Hs.446595 /len=624      | ***                                 |            | ÷ +               |
|         |              |  |                                     |            |                   |
| 4496    | 0.013394     | proteasome (prosome, macropain)          | NM 002797                           | Hs.261927  | NP_002788         |
| , ., .  |              | subunit, beta type, 5 (PSMB5), mRNA      |                                     |            |                   |
| _       | i projection | /cds=(20,811) /gb=NM_002797              |                                     |            | in the second     |
|         |              | /gi=22538468 /ug=Hs.261927               |                                     |            |                   |
|         |              | /len=1050                                |                                     |            | 7.0               |
| 4499    |              | cDNA FLJ32300 fis, clone                 | AK056862                            | Hs.201676  | NP 005782         |
|         |              | PROST2002227, highly similar to M-       |                                     |            |                   |
|         |              | PHASE PHOSPHOPROTEIN 10.                 | in the second                       |            |                   |
| . 2     |              | /gb=AK056862 /gi=16552379                |                                     |            |                   |
|         | •            | /ug=Hs.201676 /len=2334                  |                                     |            |                   |
| 4508    | 2.03E-04     | peptidyl-prolyl isomerase G (cyclophilin | NM 004792                           | Hs.77965   | NP 004783         |
|         |              | G) (PPIG), mRNA /cds=(158,2422)          | · · · · · · · · · · · · · · · · · · |            | _                 |
| 1 1 1   |              | /gb=NM 004792 /gi=4758105                | 700                                 |            |                   |
|         |              | /ug=Hs.77965 /len=2695                   |                                     |            |                   |
| 4514    | 0.043799     | myeloid/lymphoid or mixed-lineage        | NM 005935                           |            | NP_005926         |
|         |              | leukemia (trithorax (Drosophila)         | _                                   | *          | _                 |
| *       | ****         | homolog); translocated to, 2 (MLLT2)     | 9                                   |            | *                 |
|         |              | =L13773, AF-4 mRNA,                      | - H                                 |            |                   |
| 4515    | 0.043799     | cell recognition molecule CASPR3         | NM 033655                           | Hs.212839  | NP_387504         |
|         | * 1          | (CASPR3), transcript variant 1, mRNA     | 1                                   |            |                   |
|         | -            | /cds=(408,3872) /gb=NM_033655            |                                     |            |                   |
|         |              | /gi=16306508 /ug=Hs.212839               | * (                                 |            |                   |
| . 7     |              | /len=5017                                |                                     |            |                   |
| 4522    | 0.00587      | collagen, type IV, alpha 1 (COL4A1),     | NM_001845                           | Hs.119129  | NP_001836         |
|         |              | mRNA /cds=(130,5139)                     |                                     | -          |                   |
| -       | *            | /gb=NM_001845 /gi=17017989               |                                     |            |                   |
|         |              | /ug=Hs.119129 /len=6447                  |                                     |            |                   |
| 4531    | 0.001878     | erythrocyte membrane protein band 4.1    | NM_001431                           | Hs.7857    | NP_001422         |
| :       |              | like 2 (EPB41L2), mRNA                   |                                     | * '        | -                 |
|         |              | /cds=(45,3062) /gb=NM_001431             |                                     |            | · ·               |
|         |              | /gi=4503578 /ug=Hs.7857 /len=4336        |                                     |            |                   |
| 4532    | 0.047031     | endonuclease/reverse transCRiptase       | AAC53542                            | 1          |                   |
|         |              | [Mus musculus]                           |                                     | <u> </u>   |                   |
| 4554    | 0.012276     | integral membrane protein 2B (ITM2B),    | NM_021999                           | Hs.239625  | NP_068839         |
| ļ       |              | mRNA /cds=(171,971) /gb=NM_021999        | 1                                   |            | }                 |
| 1       |              | /gi=11527401 /ug=Hs.239625               |                                     |            |                   |
| 1       | 0.00000      | /len=1843                                | 1101000                             | ļ          | ND OFFEE          |
| 4555    |              | P13-kinase associated p85 mRNA           | M61906                              | 10. 774    | NP_852556         |
| 4556    | 0.014599     | phosphorylase, glycogen; liver (Hers     | NM_002863                           | Hs.771     | NP_002854         |
|         |              | disease, glycogen storage disease type   | *                                   |            |                   |
|         | ·            | VI) (PYGL), mRNA /cds=(52,2595)          | 1.                                  | <u>"</u> . |                   |
| · ·     |              | /gb=NM_002863 /gi=4506352                | ,                                   |            |                   |
| <u></u> | <u> </u>     | /ug=Hs.771 /len=2643                     |                                     | <u> </u>   |                   |

| Cma4 |          | nding To Differentially Expressed Gen  | Gene          | Unigene         | Protein                 |
|------|----------|--|---------------|-----------------|-------------------------|
| Spot | p-value  | Description                            |               | _               | ſ                       |
| •    | ,        |  | Accession No. | Accession       | Accession               |
| 4568 | 0.040751 | chaperonin containing TCP1, subunit 8  | NM_006585     | No.<br>Hs.15071 | <b>No.</b><br>NP 006576 |
| 4000 | 0.040751 | (theta) (CCT8), mRNA /cds=(29,1675)    | 14141_000303  | 115,15071       | 111-000370              |
|      |          | /gb=NM_006585 /gi=6005726              | - 4-<br>- 4-  |                 |                         |
|      | }        | /ug=Hs.15071 /len=1821                 |               |                 |                         |
| 4570 | 0.035177 | hypothetical protein KIAA0758 protein, | AB018301      |                 | NP_056049               |
| 4570 | 0.035477 | partial cds                            | Apologot      |                 | 14i _0200#å             |
| 4576 | 0.040751 | E-1 enzyme (MASA), mRNA                | NM_021204     | Hs.18442        | NP 067027               |
| 4010 | 0.040701 | /cds=(222,1007) /gb=NM_021204          | 14141_021204  | 113.10442       | 14, _007027             |
|      |          | /gi=10864016 /ug=Hs.18442 /len=1992    |               |                 |                         |
|      | *        | /gi=10004010/dg=113.10442/icii=1002    |               | *               |                         |
| 4578 | 0.017288 | N-glycanase 1 (NGLY1), mRNA            | NM 018297     | Hs.63657        | NP 060767               |
|      | 0.017200 | /cds=(42,2006) /gb=NM_018297           |               |                 |                         |
|      |          | /gi=21314689 /ug=Hs 63657 /len=2182    |               |                 | * *                     |
|      |          |  |               |                 |                         |
| 4584 | 0.043799 | Rho-associated, coiled-coil containing | NM_005406     | Hs.17820        | NP_005397               |
|      |          | protein kinase 1 (ROCK1), mRNA         |               |                 |                         |
|      | TIFF.    | /cds=(1,4065) /gb=NM_005406            |               |                 |                         |
|      |          | /gi=4885582 /ug=Hs.17820 /len=4065     |               |                 |                         |
| 4600 | 0.010277 | SEC24 related gene family, member D    | NM 014822     | Hs.19822        | NP 055637               |
| 100  |          | (S. cerevisiae) (SEC24D), mRNA         | ,             |                 | _                       |
| 4    | 3        | /cds=(201,3299) /gb=NM_014822          |               |                 | *****                   |
|      |          | /gi=7662658 /ug=Hs.19822 /len=3988     |               | <i>y</i>        |                         |
| 4604 | 0.013394 | hypothetical protein FLJ21007          | NM 030794     | Hs.1975         | NP 110421               |
|      |          | (FLJ21007), mRNA /cds=(258,2213)       |               |                 | - <del>-</del> ×        |
|      |          | /gb=NM_030794 /gi=13540575             |               |                 |                         |
|      |          | /ug=Hs.1975 /len=2501                  |               |                 |                         |
| 4606 | 0.023945 | cDNA FLJ33609 fis, clone               | AK090928      | Hs.433138       | 114                     |
|      |          | BRAMY2015890. /gb=AK090928             |               |                 | 1                       |
|      | *        | /gi=21749183 /ug=Hs.433138             |               |                 |                         |
| 1760 | Y 1 X    | /len=2951                              |               | ٠,              |                         |
| 4613 | 0.032636 | cold shock domain protein A (CSDA),    | NM_003651     | Hs.198726       | NP_003642               |
|      |          | mRNA /cds=(195,1313)                   |               |                 | *                       |
|      |          | /gb=NM_003651 /gi=21359983             |               |                 |                         |
| 2.0  |          | /ug=Hs.198726 /len=1931                |               |                 |                         |
| 4614 |          | sperm antigen-36                       | AF187554      |                 |                         |
| 4617 | 0.025911 | PTD008 protein (PTD008), mRNA          | NM_016145     | Hs.108969       | NP_057229               |
|      | 1 1      | /cds=(234,554) /gb=NM_016145           |               | *               |                         |
|      | <u> </u> | /gi=7706664 /ug=Hs.108969 /len=870     |               |                 |                         |
| 4622 | 0.009388 | hypothetical protein FLJ11756          | NM_024606     | Hs.27497        | NP_078882               |
| *    |          | (FLJ11756), mRNA /cds=(375,2795)       |               | , ,             | 1                       |
|      | 100      | /gb=NM_024606 /gi=24431999             |               |                 |                         |
|      | <u> </u> | /ug=Hs.27497 /len=3167                 |               | **              |                         |
| 4627 | 0.005325 | proteasome (prosome, macropain)        | NM_002787     | Hs.411773       | NP_002778               |
|      | 100      | subunit, alpha type, 2 (PSMA2), mRNA   |               | -               |                         |
|      | ,        | /cds=(20,724) /gb=NM_002787            |               |                 | 1                       |
|      |          | /gi=23110936 /ug=Hs.411773 /len=885    |               | 1               |                         |
|      | 1.       |  |               | 1               |                         |

| Genes | Genes Corresponding To Differentially Expressed G nes in Figure 20 - RA |  |               |                                       |           |  |  |
|-------|---|--|---------------|---------------------------------------|-----------|--|--|
|       |   | Description  | Gene          | Unigene                               | Protein   |  |  |
| - 1   |   |  | Accession No. | Accession                             | Accession |  |  |
|       |   |  |               | No                                    | No.       |  |  |
| 4629  | 0.020388  | immediate early response 3 (IER3),                           | NM_052815     | Hs.76095                              | NP_434702 |  |  |
|       |   | transcript variant long, mRNA                                |               |                                       | χ.        |  |  |
|       |   | /cds=(30,611) /gb=NM_052815                                  | in the second |                                       |           |  |  |
|       |   | /gi=16554596 /ug=Hs.76095 /len=1345                          | .00           |                                       |           |  |  |
| 1     | *   |  |               | *                                     | 7         |  |  |
| 4632  | 0.006463  | zinc finger protein (ZNF-U69274),                            | NM_014415     | Hs.301956                             | NP_055230 |  |  |
|       |   | mRNA /cds=(162,3323)   |               |                                       | ÷ .       |  |  |
|       |   | /gb=NM_014415 /gi=7657702                                    | 5 2           |                                       | , .       |  |  |
|       |   | /ug=Hs.301956 /len=5052                                      |               |                                       | - 30      |  |  |
| 4633  | 0.002337  | chromobox 3 (HP1 gamma Drosophila)                           | NM_016587     | Hs.406384                             | NP_057671 |  |  |
|       |   | (CBX3), transcript variant 2, mRNA                           |               |                                       |           |  |  |
|       |   | /cds=(152,703) /gb=NM_016587                                 |               |                                       |           |  |  |
|       | į.  | /gi=20544150 /ug=Hs.406384                                   | Taji.         |                                       |           |  |  |
|       |   | /len=1851  |               | 3 - 3 - 3                             | 1000000   |  |  |
| 4634  | 0.035177  | DNAJ domain-containing (MCJ), mRNA                           | NM_013238     | Hs.45105                              | NP_037370 |  |  |
|       |   | /cds=(424,876) /gb=NM_013238                                 |               |                                       |           |  |  |
|       | 1   | /gi=7019452 /ug=Hs.45105 /len=1074                           |               |                                       |           |  |  |
| 1000  | 0.00000   | (00) 400   | NIA 040000    | , , , , , , , , , , , , , , , , , , , | ND 05744C |  |  |
| 4662  | 0.008566  | CGI-128 protein (CGI-128), mRNA                              | NM_016062     | Hs.9825                               | NP_057146 |  |  |
|       |   | /cds=(36,527) /gb=NM_016062                                  |               |                                       |           |  |  |
| 4664  | 0.00000   | /gi=7706342 /ug=Hs.9825 /len=670                             | NM 001284     | Hs.80917                              | NP 001275 |  |  |
| 4664  | 0.032636  | adaptor-related protein complex 3,                           | NIVI_UU1264   | HS.6091 <i>t</i>                      | NP_0012/5 |  |  |
|       | 19  | sigma 1 subunit (AP3S1), mRNA<br>/cds=(86,667) /gb=NM_001284 |               | - 0-                                  | 1         |  |  |
| , ·   |   | /gi=4502860 /ug=Hs.80917 /len=1271                           |               |                                       |           |  |  |
| 4669  | 0.017288  | adenylyl cyclase-associated protein                          | NM 006367     | Hs.104125                             | NP 006358 |  |  |
| 4003  | 0.017200  | (CAP), mRNA /cds=(63,1490)                                   | 11111_000007  | 110.101120                            | -000000   |  |  |
| - :   |   | /gb=NM_006367 /gi=10938021                                   |               |                                       |           |  |  |
| 1     |   | /ug=Hs.104125 /len=2614                                      |               |                                       |           |  |  |
| 4670  | 0.003563  | UI-E-DW0-agg-j-14-0-UI.r1 UI-E-DW0                           | BM706185      | Hs.433563                             |           |  |  |
|       |   | cDNA clone UI-E-DW0-agg-j-14-0-UI                            |               |                                       |           |  |  |
|       |   | 5', mRNA sequence /clone=UI-E-DW0-                           |               |                                       |           |  |  |
| *     |   | agg-j-14-0-UI /clone_end=5'                                  |               | 00                                    |           |  |  |
|       |   | /gb=BM706185 /gi=19019443                                    |               |                                       | 1         |  |  |
|       | 1   | /ug=Hs.433563 /len=949                                       |               |                                       |           |  |  |
| 4673  | 0.020388  | proteasome (prosome, macropain)                              | NM_002795     | Hs.82793                              | NP_002786 |  |  |
| 1     | *   | subunit, beta type, 3 (PSMB3), mRNA                          |               |                                       |           |  |  |
| ]     |   | /cds=(79,696) /gb=NM_002795                                  |               |                                       | -00       |  |  |
|       |   | /gi=22538464 /ug=Hs.82793 /len=784                           | · · ·         |                                       | *         |  |  |
|       |   |  |               |                                       |           |  |  |
| 4675  | 0.035177  | 1.   | NM_006263     | Hs.75348                              | NP_788955 |  |  |
|       |   | activator subunit 1 (PA28 alpha)                             |               |                                       |           |  |  |
| 4.    | 4.  | (PSME1), mRNA /cds=(93,842)                                  | * **          | -((-                                  |           |  |  |
| ].    |   | /gb=NM_006263 /gi=5453989                                    |               |                                       |           |  |  |
|       | 1222  | /ug=Hs.75348 /len=985  |               | 1                                     | NB 05555  |  |  |
| 4676  | 0.015895  | CDA14 (LOC51290), mRNA                                       | NM_016570     | Hs.26813                              | NP_057654 |  |  |
| 1     |   | /cds=(89,1225) /gb=NM_016570                                 |               |                                       | ٠.        |  |  |
| L     | <u> </u>  | /gi=7706104 /ug=Hs.26813 /len=1378                           | <u></u>       | ļ                                     | 1         |  |  |

| Genes | Correspor | nding To Diff rentially Expressed Gen      | es in Figure 20 -                            | RA           |                |  |
|-------|-----------|--|--|--------------|----------------|--|
|       | p-value   | Description                                | Gene   | Unigene      | Protein        |  |
| •     |           | ή.   | Accession No.                                | Accession    | Accession      |  |
|       |           |  |  | No.          | No.            |  |
| 4684  | 0.00587   | solute carrier family 25 (mitochondrial    | NM 002635                                    | Hs.78713     | NP 005879      |  |
|       |           | carrier; phosphate carrier), member 3      |  |              | <del>.</del> . |  |
|       |           | (SLC25A3), nuclear gene encoding           | (A) 4 (A) (A)                                |              |                |  |
|       |           | mitochondrial protein, transcript variant  |  |              |                |  |
|       |           | 1b, mRNA /cds=(49,1134)                    |  |              | i i            |  |
|       |           | /gb=NM_002635 /gi=4505774                  |  |              |                |  |
|       |           | /ug=Hs.78713 /len=1330                     |  |              |                |  |
| 4685  | 0.014599  | calumenin (CALU), mRNA                     | NM 001219                                    | Hs.7753      | NP_001210      |  |
| 1000  | 0.014000  | /cds=(63,1010) /gb=NM_001219               | , , , , , , , , , , , , , , , , , , ,        | 1.10.17.00   |                |  |
| : ::  |           | /gi=6005991 /ug=Hs.7753 /len=3320          |  | 0.0          |                |  |
| 4700  | 0.017288  | DnaJ (Hsp40) subfamily B, member 4         | NM 007034                                    | Hs.41693     | NP 008965      |  |
| 4700  | 0.017200  | (DNAJB4), mRNA /cds=(160,1173)             | 14141_007004                                 | 113.41000    |                |  |
|       |           | /gb=NM 007034 /gi=24431959                 | · ;  |              |                |  |
|       |           | /ug=Hs.41693 /len=2250                     |  |              |                |  |
| 4703  | 0.040751  | leukotriene A4 hydrolase (LTA4H),          | NM 000895                                    | Hs.81118     | NP 000886      |  |
| 4100  | 0.040731  | mRNA /cds=(69,1904) /gb=NM_000895          | 14141_000033                                 | 1113.01110   |                |  |
|       |           | /gi=4505028 /ug=Hs.81118 /len=2060         |  |              | <b>]</b> ,     |  |
| .,    | *         | /gi=4505026 /ug=115.6                      |  |              |                |  |
| 4715  | 0.03799   | hydroxysteroid (17-beta)                   | NM_016142                                    | Hs.279617    | NP 057226      |  |
| 47 13 | 0.03768   | dehydrogenase 12 (HSD17B12),               | 114181_010142                                | 1115.279017  | 1NF _037,220   |  |
|       |           | mRNA /cds=(74,1012) /gb=NM_016142          |  |              | i ·            |  |
|       |           |  | 700  |              | ÷,.            |  |
|       |           | /gi=7705854 /ug=Hs.279617 /len=2393        | 0.0  |              |                |  |
| 4722  | 0.002562  | S-phase kinase-associated protein 1A       | NM_006930                                    | Hs.171626    | NP 733779      |  |
| 4122  | 0.003363  |  | NIVI_000930                                  | 115.17 1020  | NF_133119      |  |
|       |           | (p19A) (SKP1A), transcript variant 1,      | 1.5  |              |                |  |
|       |           | mRNA /cds=(140,622) /gb=NM_006930          |  | 540 (8)      |                |  |
|       | - 30 " 6  | /gi=25777710 /ug=Hs.171626                 | . * * *                                      |              | **             |  |
| 4700  | 0.00507   | /len=2172<br>pp21 (LOC51186), mRNA         | NIM 046202                                   | Hs.15984     | NP 057387      |  |
| 4728  | 0.00587   |  | NM_016303                                    | IDS. 10904   | INP_03/36/     |  |
|       |           | /cds=(263,577) /gb=NM_016303               |  | 1.           |                |  |
|       |           | /gi=10047099 /ug=Hs.15984 /len=1038        |  |              |                |  |
| 4704  | 0.044000  | t  | NM_005802                                    | Hs.179982    | ND 005702      |  |
| 4/31  | 0.011238  | tumor protein p53-binding protein          | 114141_005802                                | HS. 179902   | NP_005/93      |  |
| •     |           | (TP53BPL), mRNA /cds=(541,2988)            |  |              |                |  |
|       | ·         | /gb=NM_005802 /gi=5032190                  |  |              |                |  |
| 1700  | 0.040077  | /ug=Hs.179982 /len=3549                    | NA 000000                                    | 11- 470040   | ND 000000      |  |
| 4732  | 0.010277  | MUF1 protein (MUF1), mRNA                  | NM_006369                                    | Hs.172210    | NP_006360      |  |
|       | '         | /cds=(1,1854) /gb=NM_006369                |  | i i          |                |  |
|       |           | /gi=5453747 /ug=Hs.172210 /len=2165        |  |              | ·              |  |
| 470-  | 0.044000  |  | V04040                                       |              | o copie        |  |
| 4735  |           | spectrin beta protein (pAZSP 3' end)       | X91849                                       | 11- 0000 411 | ND 005000      |  |
| 4747  | 0.015895  | leucine zipper transcription factor-like 1 | NM_020347                                    | Hs.30824     | NP_065080      |  |
|       |           | (LZTFL1), mRNA /cds=(125,1024)             | !  | 1            | 1 .            |  |
|       |           | /gb=NM_020347 /gi=9966792                  | 1  |              |                |  |
|       |           | /ug=Hs.30824 /len=3384                     |  | <u> </u>     | <u> </u>       |  |
| 4759  | 0.017288  | clone IMAGE:4432159, mRNA                  | BC032437                                     | Hs.249247    | 1 '            |  |
| • .   |           | /gb=BC032437 /gi=21595543                  |  | 1            | 1)(1           |  |
| 1     | 1         | /ug=Hs.249247 /len=2309                    | <u>.                                    </u> | •            |                |  |

|                      |  | nding To Differentially Expressed Gen     |                    |                      |                   |
|----------------------|--|---|--------------------|----------------------|-------------------|
| Spot                 | p-value  | Description                               | Gene Accession No. | Unigene<br>Accession | Prot in Accession |
|                      |  |   |                    | No                   | No.               |
| 4766                 | 0.009388   | DnaJ (Hsp40) subfamily C, member 8        | NM_014280          | Hs.433540            | NP_055095         |
|                      | رة بطر من  | (DNAJC8), mRNA /cds=(8,802)               | *                  |                      |                   |
|                      |  | /gb=NM_014280 /gi=7657610                 |                    |                      |                   |
|                      |  | /ug=Hs.433540 /len=1525                   |                    |                      |                   |
| 4775                 | 0.030249   | glutathione-S-transferase like;           | NM_004832          | Hs.11465             | NP_004823         |
|                      | \  | glutathione transferase omega             |                    |                      |                   |
|                      |  | (GSTTLp28), mRNA /cds=(10,735)            |                    |                      | )                 |
|                      |  | /gb=NM_004832 /gi=4758483                 |                    | Y 37                 | ı                 |
|                      |  | /ug=Hs.11465 /len=793                     |                    |                      |                   |
| 4782                 | 0.047031   | CDC-like kinase1 (CLK1), mRNA             | NM_004071          | Hs.2083              | NP: 004062        |
| 1 112                | 1.3  | /cds=(156,1610) /gb=NM_004071             |                    |                      |                   |
| 5.4                  | 12   | /gi=4758007 /ug=Hs.2083 /len=1834         | 1                  |                      |                   |
| 4789                 | 0.014599   | tumor protein p53 binding protein, 2      | NM 005426          | Hs.44585             | NP 005417         |
| * :                  |  | (TP53BP2), mRNA /cds=(757,3774)           |                    |                      |                   |
|                      | The state of the s | /gb=NM_005426 /gi=4885642                 |                    |                      |                   |
|                      |  | /ug=Hs.44585 /len=4534_                   |                    |                      | *                 |
| 4796                 | 0.03788  | cofactor required for Sp1 transcriptional | NM 004229          | Hs.407604            | NP 004220         |
|                      | .5,50,00   | activation, subunit 2, 150kDa (CRSP2),    |                    | 110.107,00.1         | -00:1220          |
| -,:-±. +<br>-,:-±. + | 4-3-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-   | mRNA /cds=(120,4484)                      |                    |                      |                   |
|                      |  | /gb=NM_004229 /gi=4758101                 | *                  |                      | 1                 |
|                      |  | /ug=Hs.407604 /len=7984                   |                    | -                    |                   |
|                      | * -  | //ug→i is.40/004/leii=/904                |                    | }                    |                   |
| 4801                 | 0.003947   | growth hormone inducible                  | NM 014394          | Ho 422057            | ND OFFOOD         |
| 4001                 | 0.003947   | 1.7                                       | 14394              | Hs.433957            | NP_055209         |
|                      | -  | transmembrane protein (GHITM),            |                    |                      | ,                 |
|                      | 18   | mRNA /cds=(130,1089)                      |                    |                      |                   |
|                      | ,  | /gb=NM_014394 /gi=7657479                 | N                  |                      |                   |
| 400.4                | 0.00=1==   | /ug=Hs.433957 /len=2374                   |                    | 1                    | 1                 |
| 4804                 | 0.035177   | receptor-associated protein of the        | NM_005055          | Hs.81218             | NP_116034         |
|                      | • •  | synapse, 43kD (RAPSN), transcript         |                    |                      | 1                 |
| •                    |  | variant 1, mRNA /cds=(215,1453)           | -                  | , ,                  |                   |
|                      |  | /gb=NM_005055 /gi=15619012                |                    | 1                    | 1                 |
|                      |  | /ug=Hs.81218 /len=1664                    |                    |                      | 9.5               |
| 4807                 | 0.003947   | glypican 6 (GPC6), mRNA                   | NM_005708          | Hs.118407            | NP_005699         |
|                      | 3  | /cds=(616,2283) /gb=NM_005708             |                    |                      |                   |
|                      | ļ  | /gi=8051601 /ug=Hs.118407 /len=2760       |                    |                      |                   |
|                      |  |   | iii                |                      |                   |
| 4809                 | 0.02801  | matrilin 1, cartilage matrix protein      | NM_002379          | Hs.150366            | NP_002370         |
|                      |  | (MATN1), mRNA /cds=(490,1980)             |                    |                      |                   |
| **                   |  | /gb=NM_002379 /gi=13518035                | * ,                | 1.                   | <b>)</b> '        |
| -                    |  | /ug=Hs.150366 /len=2414                   |                    | **                   | 4.                |
| 4832                 | 0.035177   | putative membrane protein                 | NM_019026          | Hs.93832             | NP_061899         |
|                      |  | (LOC54499), mRNA /cds=(139,705)           | * *                |                      |                   |
|                      |  | /gb=NM_019026 /gi=24308132                |                    | , -                  | ,                 |
| •                    |  | /ug=Hs.93832 /len=1186                    |                    | ., :                 | }                 |
| 4838                 | 0.043799   | protein tyrosine phosphatase, receptor    | NM_002844          | Hs.79005             | NP_002835         |
|                      |  | type, K (PTPRK), mRNA                     | 0020 / /           | 1.0.7.000            | -502000           |
|                      | ].   | /cds=(221,4543) /gb=NM_002844             | <b>,</b> .         | J                    | 1                 |
|                      | l .  |   | I                  |                      | 1                 |
|                      |  | /gi=18860901 /ug=Hs.79005 /len=5982       | Į.                 | 1                    | 1                 |

| Genes   | Correspor | nding To Differentially Express d Gen  | es in Figur 20 -                           | RA               |           |
|---------|-----------|--|--|------------------|-----------|
| Spot    | p-value   | Description  | Gen  | Unigene          | Protein   |
|         |           | <b>C</b>   | Accession No.                              | Accession        | Accession |
| •       |           |  |  | No.              | No.       |
| 4846    | 0.047031  | thioredoxin related protein (MGC3178),   | NM 030810                                  | Hs.6101          | NP_110437 |
|         |           | mRNA /cds=(82,1056) /gb=NM_030810  |  |                  | _         |
|         | 5 6       | /gi=13540603 /ug=Hs.6101 /len=2712   | 1 - <del>- 1</del> - 2 - 2 - 2 - 2 - 2 - 3 | ranger i se se s | Ç         |
|         |           | , and the second of the second |  | ÷                |           |
| 4882    | 0.043799  | CGI-125 protein (CGI-125), mRNA  | NM 016060                                  | Hs.27289         | NP 057144 |
|         |           | /cds=(79,474) /gb=NM 016060  |  | *                |           |
| •       |           | /gi=7705591 /ug=Hs.27289 /len=1196   |  |                  |           |
| 4885    | 0.003213  | clone alpha_est218/52C1 mRNA   | AF001542                                   | Hs.356442        |           |
| . 1,500 | 0.0002.0  | sequence /gb=AF001542 /gi=2529714  |  |                  |           |
|         |           | /ug=Hs:356442 /len=2992  |  |                  |           |
| 4904    | 0.035177  | tj44d11.x1   | Al470482                                   | Hs.387691        |           |
| 7307    | 0.005177  | Soares NSF F8 9W OT PA P S1  | Mig10402                                   | 113.507051       |           |
| 3 9     | × -       | cDNA clone IMAGE:2144373 3' similar  | 1, 12                                      |                  |           |
|         |           | to gb:Y00716 COMPLEMENT FACTOR   |  |                  |           |
|         |           | H PRECURSOR mRNA sequence  |  |                  |           |
|         | 1         |  | *  |                  | -00       |
|         | 1 :       | /clone=IMAGE:2144373 /clone_end=3'   |  | 1.4              |           |
|         |           | /gb=Al470482 /gi=4332572   |  | = ^ -            |           |
| 4040    | 0.045005  | /ug=Hs.387691 /len=384   | A D 00 7 0 0 0                             | 11. 440          |           |
| 4919    | 0.015895  | KIAA0436 mRNA, partial cds.  | AB007896                                   | Hs.110           |           |
|         |           | /cds=(1,2070) /gb=AB007896   | ×  |                  | * .       |
|         |           | /gi=2662152 /ug=Hs.110 /len=4661   |  |                  |           |
| 4925    | 0.030249  | tm68a09.x1 NCI_CGAP_Brn25 cDNA   | Al498805                                   | Hs.436349        |           |
|         |           | clone IMAGE:2163256 3', mRNA   |  |                  |           |
|         |           | sequence /clone=IMAGE:2163256  |  | ÷                |           |
|         |           | /clone_end=3' /gb=Al498805   |  |                  | 1         |
| <u></u> |           | /gi=4390787 /ug=Hs.436349 /len=460   |  |                  |           |
| 4941    | 0.023945  | mRNA; cDNA DKFZp451P176 (from  | AL832365                                   | Hs.159471        |           |
|         |           | clone DKFZp451P176) /gb=AL832365   |  |                  |           |
|         |           | /gi=21732928 /ug=Hs.159471   | *:   |                  |           |
| •       |           | /len=5559  | *  |                  |           |
| 4944    | 0.025911  | hypothetical protein FLJ20452  | NM 017828                                  | Hs.351327        | NP 060298 |
|         |           | (FLJ20452), mRNA /cds=(15,614)   | _  |                  |           |
| · .     |           | /gb=NM_017828 /gi=21361660   | •  |                  |           |
|         |           | /ug=Hs.351327 /len=1948  | * * *                                      |                  |           |
| 4946    | 0.02801   | myosin, light polypeptide 6, alkali,   | NM_079425                                  | Hs.77385         | NP_524149 |
|         | ]         | smooth muscle and non-muscle   |  |                  |           |
|         |           | (MYL6), transcript variant 3, mRNA   |  |                  |           |
|         |           | /cds=(41,514) /gb=NM_079425  |  | 1                |           |
|         |           | /gi=17986263 /ug=Hs.77385 /len=717   |  |                  | *         |
| 4950    | 0.010277  | mRNA for KIAA1865 protein, partial   | AB058768                                   | Hs.179260        |           |
| 7330    | 0.010211. | cds. /cds=(622,2793) /gb=AB058768  | 710000000                                  | 1, 13, 17, 32,00 | c         |
|         | [         |  |  | ,                |           |
|         |           | /gi=14017946 /ug=Hs.179260   |  |                  | ]         |
| 1071    | 0.00000   | /len=3641  | 1114 045040                                | 11 10-000        | ND 050455 |
| 4951    | 0.020388  | PAI-1 mRNA-binding protein (PAI-   | NM_015640                                  | Hs.165998        | NP_056455 |
|         |           | RBP1), mRNA /cds=(86,1249)   |  | 1                | 1         |
| i .     |           | /gb=NM_015640 /gi=7661625  | P  |                  | ] ,       |
|         |           | /ug=Hs.165998 /len=2201  | <u> </u>                                   | <u> </u>         |           |

| Genes Corresponding To Differentially Expressed Genes in Figure 20 - RA |          |   |  |             |              |  |
|---|----------|---|--|-------------|--------------|--|
|   |          | Description                               | Gene   | Unigene     | Prot in      |  |
|   |          |   | Accession No.                                  | Accession   | Accession    |  |
| -   |          |   |  | No.         | No.          |  |
| 4962  | 0.018784 | mRNA for KIAA1320 protein, partial        | AB037741                                       | Hs.117414   |              |  |
| 400£  | 0.010101 | cds. /cds=(2051,3754) /gb=AB037741        | . 1000   |             |              |  |
|   | لمر م    | /gi=7243020 /ug=Hs.117414 /len=5321       | Para da la la la la la la la la la la la la la |             |              |  |
|   | ,        | /gi=7243020 /ug=HS. 117414 /lei1=5321     |  | 8 ·         |              |  |
|   | 0.044500 |   | NIA 000007                                     | 11. 470070  | ND 000070    |  |
| 4992  | 0.014599 | tissue factor pathway inhibitor           | NM_006287                                      | Hs.170279   | NP_006278    |  |
|   |          | (lipoprotein-associated coagulation       | F  |             |              |  |
|   |          | inhibitor) (TFPI), mRNA /cds=(1,915)      |  | · ·         |              |  |
|   |          | /gb=NM_006287 /gi=6715569                 |  | ·           | *            |  |
|   |          | /ug=Hs.170279 /len=915                    |  |             |              |  |
| 4999  | 0.04244  | mRNA for KIAA0592 protein, partial        | AB011164                                       | Hs.439367   |              |  |
| r   |          | cds. /cds=(1,4062) /gb=AB011164           |  | -           |              |  |
|   | ÷        | /gi=3043707 /ug=Hs.439367 /len=4623       |  |             | *            |  |
|   |          |   |  |             |              |  |
| 5000  | 0.003563 | diphtheria toxin receptor (heparin-       | NM_001945                                      | Hs.799      | NP 001936    |  |
| 2000  | 0.003303 | binding epidermal growth factor-like      | 14141_001343                                   | 113.733     | 111 700 1930 |  |
|   | •        |   |  |             |              |  |
|   |          | growth factor) (DTR), mRNA                | 8 .  |             |              |  |
|   |          | /cds=(262,888) /gb=NM_001945              |  |             |              |  |
|   |          | /gi=4503412 /ug=Hs.799 /len=2360          |  |             |              |  |
| 5005  | 0.007107 | ankyrin repeat and SOCS box-              | NM_016114                                      | Hs.153489   | NP_057198    |  |
|   |          | containing 1 (ASB1), mRNA                 |  |             | - 4          |  |
|   |          | /cds=(87,1094) /gb=NM_016114              |  |             |              |  |
|   |          | /gi=22208961 /ug=Hs.153489                |  |             |              |  |
|   |          | /len=6798                                 |  |             |              |  |
| 5012  | 0.006463 | ATP synthase, H transporting,             | NM_007100                                      | Hs.85539    | NP 009031    |  |
|   |          | mitochondrial F0 complex, subunit e       |  |             |              |  |
|   | ,        | (ATP5I), mRNA /cds=(64,273)               |  |             | · · ·        |  |
| e Veren   |          | /gb=NM 007100 /gi=6005716                 |  |             | Jan e e e    |  |
|   |          |   | ·  |             |              |  |
| 5040  | 0.040070 | /ug=Hs.85539 /len=336                     | AL 050505                                      | 11- 050700  | <del> </del> |  |
| 5018  | 0.012276 | mRNA; cDNA DKFZp762B195 (from             | AL359585                                       | Hs.356766   | -            |  |
|   |          | clone DKFZp762B195) /gb=AL359585          |  |             |              |  |
| 3.7   |          | /gi=8655645 /ug=Hs.356766 /len=2183       | 4  |             |              |  |
|   |          |   |  |             | L            |  |
| 5019  | 0.004367 | desmin (DES), mRNA /cds=(81,1490)         | NM_001927                                      | Hs.279604   | NP_001918    |  |
|   |          | /gb=NM_001927 /gi=18105049                |  |             |              |  |
|   | ,        | /ug=Hs.279604 /len=2236                   |  |             |              |  |
| 5022  | 0.020388 | ORM1-like 3 (S. cerevisiae) (ORMDL3),     | NM 139280                                      | Hs.374824   | NP 644809    |  |
| 4 - 11.   |          | mRNA /cds=(141,602) /gb=NM_139280         | <del></del> ,                                  |             |              |  |
|   |          | /gi=27544926 /ug=Hs.374824                |  |             | * "          |  |
|   |          | //gi=2/344320/ug=115:3/4024<br> /len=2109 | ·  | ]           |              |  |
| FOE 4   | 0.040704 |   | NIM 002025                                     | Hs.194685   | ND 002026    |  |
| 5054  | 0.018/84 | topoisomerase (DNA) III beta (TOP3B),     | 1,1/1/1 003832                                 | IDS. 194085 | NP_003926    |  |
|   | ,        | mRNA /cds=(445,3033)                      | 1  |             |              |  |
|   |          | /gb=NM_003935 /gi=20357524                |  |             |              |  |
|   |          | /ug=Hs.194685 /len=3133                   |  |             |              |  |
| 5056  | 0.023945 | hypothetical protein FLJ20255             | NM_017728                                      | Hs.15797    | NP_060198    |  |
|   |          | (FLJ20255), mRNA /cds=(146,1090)          |  |             |              |  |
|   |          | /gb=NM_017728 /gi=8923229                 |  | 1           |              |  |
|   |          | /ug=Hs.15797 /len=1769                    |  | l .         |              |  |
|   |          |   |  |             |              |  |

|              |  | nding To Diff rentially Expr ssed Gen                              |                  |                  | Destain        |
|--------------|--|--|------------------|------------------|----------------|
| Spot         | p-value                                      | Description  | Gene             | Unigene          | Protein        |
|              |  | 960  | Accession No.    | Accession        | Accession      |
|              |  |  |                  | No.              | No.            |
| 5085         | 0.020388                                     | paralemmin (PALM), mRNA  | NM_002579        | Hs.78482         | NP_002570      |
| , m          |  | /cds=(146,1309) /gb=NM_002579                                      |                  |                  |                |
|              |  | /gi=4557041 /ug=Hs.78482 /len=2823                                 |                  | * * * * * *      |                |
| 5164         | 0.00587                                      | nucleolar protein 5A (56kDa with                                   | NM_006392        | Hs.296585        | NP_006383      |
|              |  | KKE/D repeat) (NOL5A), mRNA  |                  |                  | - /            |
|              |  | /cds=(22,1830) /gb=NM_006392                                       | ·                |                  |                |
|              |  | /gi=5453793 /ug=Hs.296585 /len=1973                                |                  | 1                | •              |
|              |  | ,g. 10 100 100 10g 110 20000 110 110 110 110 110 110 110 1         |                  |                  |                |
| 5168         | 0.03788                                      | nucleolar protein ANKT (ANKT), mRNA                                | NM 016359        | Hs.279905        | NP 060924      |
| 3100         | 0.007.00                                     | /cds=(713,1393) /gb=NM_016359                                      | 11111_010000     | 113.273000       | 141 _00002-1   |
|              |  | /gi=7705950 /ug=Hs.279905 /len=2268                                |                  | , v. * * * * * * |                |
|              |  | rgi=7705950 rug=115.279905 rien=2200                               | V V              | 2                |                |
| E470         | 0.02700                                      |  | NIM 001492       | Hs.152707        | NP 001474      |
| 5170         | 0.03788                                      | glioblastoma amplified sequence                                    | NM_001483        | HS. 152707       | INP_001474     |
|              | 33   | (GBAS), mRNA /cds=(9,869)  |                  |                  |                |
|              |  | /gb=NM_001483 /gi=4503936  | (¥)              |                  |                |
|              |  | /ug=Hs.152707 /len=1975  |                  |                  |                |
| 5174         |  | plasminogen activator inhibitor-1                                  | J03764           | 7 2 2 2 1        |                |
| 5176         | 0.047031                                     | mRNA for KIAA0379 protein, partial                                 | AB002377         | Hs.32556         |                |
|              |  | cds. /cds=(1,3181) /gb=AB002377                                    |                  |                  |                |
|              |  | /gi=6634024 /ug=Hs.32556 /len=4408                                 |                  |                  |                |
| 5198         | 0.011238                                     | platelet derived growth factor C                                   | NM_016205        | Hs.43080         | NP_057289      |
|              | ,  | (PDGFC), mRNA /cds=(492,1529)                                      |                  |                  |                |
| 1            | 233-   | /gb=NM 016205 /gi=9994186  | <b>]</b> .       | *.               | <u>.</u>       |
| 12.1         |  | /ug=Hs.43080 /len=3007   |                  | ,                |                |
| 5203         | 0.032636                                     | autocrine motility factor receptor                                 | NM 001144        | Hs.80731         | NP 620408      |
|              |  | (AMFR), transcript variant 1, mRNA                                 | , <del></del>    |                  | _              |
| ,            | *  | /cds=(66,1997) /gb=NM_001144                                       |                  |                  |                |
|              | 1  | /gi=21071000 /ug=Hs.80731 /len=3453                                |                  |                  |                |
| 2            |  | 191 2107 1000 / dg 110:00701 / leii                                |                  | * *              |                |
| 5206         | 6.56E-04                                     | CAAX box 1 (CXX1), mRNA  | NM_003928        | Hs.250708        | NP 003919      |
| 3200         | 0.502-04                                     | /cds=(335,964) /gb=NM_003928                                       | 14141_000020     | 113.200700       | 111 - 20000 10 |
|              |  | /gi=4503180 /ug=Hs.250708 /len=1209                                | -36              |                  |                |
| :            |  | /gi=4505160/ug=H5.250706/lefi=1209                                 |                  |                  | • )            |
| 5042         | 0.014500                                     | 112 history family 2A (112E2A) mDNA                                | NIM 002107       | Hs.181307        | NP 002098      |
| 5213         | 0.014599                                     | H3 histone, family 3A (H3F3A), mRNA                                | NM_002107        | HS. 10 1307      | NP_002096      |
|              | 50   | /cds=(116,526) /gb=NM_002107                                       |                  |                  |                |
|              |  | /gi=22027640 /ug=Hs.181307   | * .              | '                |                |
| · 14 = = · · |  | /len=1047  |                  | 1.1.1===1        |                |
| 5224         |  | ubiquitously-expressed transcript                                  | NM_153477        | Hs.172791        | NP_705582      |
|              |  | (UXT), transcript variant 1, mRNA                                  | 3                | *                |                |
|              | 2 1  | /cds=(155,664) /gb=NM_153477                                       | [                |                  |                |
|              | 1  | /gi=24041017 /ug=Hs.172791 /len=734                                | }- ·             | 2                |                |
|              | <u>.                                    </u> |  |                  |                  | <u> </u>       |
| 5236         | 0.030249                                     | mitochondrial ribosomal protein L20                                | NM_017971        | Hs.182698        | NP_060441      |
|              |  | (MRPL20), nuclear gene encoding                                    | - 10             |                  |                |
| -            | 1  | mitochondrial protein, mRNA  |                  |                  |                |
|              |  |  | 1                |                  |                |
| ٠            | *  | I/cds=(65.514) /ab=NM 017971                                       | i                | 1                | i              |
| *            |  | /cds=(65,514) /gb=NM_017971<br>/gi=26638656 /ug=Hs.182698 /len=705 | ( <del>)</del> ( | *                |                |

|          |          | nding To Differentially Expressed Gen                             |  |            |             |
|----------|----------|---|--|------------|-------------|
| Spot     | p-value  | Description   | Gene   | Unigene    | Protein     |
|          |          |   | Accession No.  | Acc ssion  | Accession   |
|          |          |   |  | No.        | No.         |
| .5239    | 0.022106 | zinc-finger protein AY163807                                      | NM_014153  | Hs.179898  | NP_054872   |
|          |          | (HSPC055), mRNA /cds=(199,3114)                                   |  | 0.00       |             |
| -        |          | /gb=NM_014153 /gi=27414496  | The same of the sa |            |             |
|          | 1        | /ug=Hs.179898 /len=3859   |  | ×          |             |
| 5240     | 0.014599 | karyopherin (importin) beta 3 (KPNB3),                            | NM_002271  | Hs.113503  | NP 002262   |
|          | *        | mRNA /cds=(139,3486)  |  |            |             |
| -        | :        | /gb=NM_002271 /gi=24797085  |  |            |             |
|          | ·        | /ug=Hs.113503 /len=5977   |  |            | *           |
| 5242     | 0.005325 | CDK2-associated protein 1   | NM_004642  | Hs.433201  | NP 004633   |
|          | 0.090020 | (CDK2AP1), mRNA /cds=(523,870)                                    |  |            |             |
|          | * \      | /gb=NM_004642 /gi=17978492  |  |            | *           |
| ;        |          | /ug=Hs.433201 /len=1627   | *  |            |             |
| 5243     | 0.02801  | chromosòme 14 open reading frame 2                                | NM 004894  | Hs.109052  | NP 004885   |
| رحين     | 3.02001  | (C14orf2), mRNA /cds=(61,237)                                     | 554054   |            |             |
|          |          | /gb=NM 004894 /gi=4758939   |  | }          |             |
|          |          | /ug=Hs.109052 /len=627  |  |            |             |
| 5250     | 0.017299 | SFRS protein kinase 1 (SRPK1),                                    | NM 003137  | Hs.75761   | NP 003128   |
| 3230     | 0.017200 | mRNA /cds=(10,1974) /gb=NM_003137                                 | 14101_003137   | 113.73701  | 141 _003120 |
|          |          |   |  |            |             |
|          |          | /gi=15834623 /ug=Hs.75761 /len=4244                               |  |            |             |
| 5050     | 0.040704 | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1                          | NIM DACCAA   | 11- 40500C | ND COOMS    |
| 5258     | 0.018784 | testis derived transcript (3 LIM                                  | NM_015641  | Hs.165986  | NP_690042   |
|          | {        | domains) (TES), transcript variant 1,                             |  |            |             |
|          | *        | mRNA /cds=(182,1447)  |  |            |             |
|          |          | /gb=NM_015641 /gi=23238186  |  | *          |             |
| 1 1 2 2  |          | /ug=Hs.165986 /len=2766   |  | 11 01510   | N.D. 000000 |
| 5305     | 0.03788  | cleavage and polyadenylation specific                             | NM_007007  | Hs.64542   | NP_008938   |
|          |          | factor 6, 68kDa (CPSF6), mRNA                                     |  | *          |             |
|          |          | /cds=(35,1690) /gb=NM_007007                                      |  |            |             |
| <u> </u> |          | /gi=5901927 /ug=Hs.64542 /len=3426                                |  |            |             |
| 5309     |          | bone sialoprotein (BNSP) gene                                     | L24759   |            |             |
| 5320     | 0.047031 | mRNA; cDNA DKFZp564O0122 (from                                    | AL049951   | Hs.22370   |             |
|          |          | clone DKFZp564O0122) /gb=AL049951                                 |  | ,          |             |
|          |          | /gi=4884198 /ug=Hs.22370 /len=1727                                | -  |            |             |
|          |          |   |  |            |             |
| 5329     | 0.015895 | dolichyl-diphosphooligosaccharide-                                | NM_005216  | Hs.34789   | NP_005207   |
| 1.1      |          | protein glycosyltransferase (DDOST),                              | *  | , , ,      |             |
|          |          | mRNA /cds=(60,1430) /gb=NM_005216                                 |  | 0.0        |             |
|          |          | /gi=20070196 /ug=Hs.34789 /len=2045                               |  |            | 1           |
|          |          |   |  | i .        |             |
| 5348     | 0.006463 | KIAA0066 mRNA, partial cds  | D31886   | Hs.227881  |             |
|          |          | /cds=(1,2948) /gb=D31886 /gi=505099                               |  | -8-        | * *         |
|          |          | /ug=Hs.227881 /len=3635   | 200  | N 00 0     |             |
| FACE     | 0.005325 | cDNA FLJ31667 fis, clone  | AK056229   | Hs.48692   |             |
| 5365     |          |   | 1  | 1          | 1 .         |
| 5365     |          | NT2RI2004840. /gb=AK056229  |  | ]'         |             |
| 5365     |          | NT2RI2004840. /gb=AK056229<br>/gi=16551572 /ug=Hs.48692 /len=2052 |  |            |             |

|      |            | nding To Differentially Express d Gen  |               | KA          |              |
|------|------------|--|---------------|-------------|--------------|
| Spot | p-valu     | Description                            | Gen           | Unigene     | Protein      |
|      |            |  | Acc ssion No. | Accession   | Acc ssion    |
|      |            |  |               | No.         | No.          |
| 5366 | 0.011238   | glucagon (GCG), mRNA                   | NM_002054     | Hs.423901   | NP_002045    |
|      |            | /cds=(100,642) /gb=NM_002054           |               | ·           |              |
|      |            | /gi=20302161 /ug=Hs.423901             | )             |             |              |
|      | -          | /len=1128                              |               |             |              |
| 5374 | 0.023945   | ribosomal protein L10 (RPL10), mRNA    | NM_006013     | Hs.412900   | NP_006004    |
|      |            | /cds=(42,686) /gb=NM_006013            |               |             | 2            |
| :    |            | /gi=15718685 /ug=Hs.412900             |               |             |              |
|      |            | /len=2188                              |               |             |              |
| 5388 | 0.006463   | peroxiredoxin 1 (PRDX1), mRNA          | NM_002574     | Hs.180909   | NP_002565    |
|      |            | /cds=(61,660) /gb=NM_002574            |               |             |              |
|      |            | /gi=4505590 /ug=Hs.180909 /len=937     |               |             | *            |
| 5392 | 0.030249   | clone IMAGE:5398100, mRNA              | BC035584      | Hs.407477   |              |
|      |            | /gb=BC035584 /gi=23273438              |               |             |              |
|      |            | /ug=Hs.407477 /len=1570                |               |             |              |
| 5393 | 0.020388   | ubiquitination factor E4B (UFD2 yeast) | NM_006048     | Hs.24594    | NP 006039    |
|      |            | (UBE4B), mRNA /cds=(86,3994)           | - ·           |             |              |
|      | HHA I' A ' | /gb=NM_006048 /gi=5174482              |               |             |              |
|      |            | /ug=Hs.24594 /len=5314                 |               |             |              |
| 5394 | 0.032636   | hypothetical protein FLJ11294          | NM_018383     | Hs.107000   | NP 060853    |
| 7 ;  |            | (FLJ11294), mRNA /cds=(160,4170)       |               |             | _            |
|      | 3.7.8      | /gb=NM_018383 /gi=19923528             |               |             |              |
| •    |            | /ug=Hs.107000 /len=4602                | 3             |             |              |
| 5406 | 0.007107   | autism susceptibility candidate 2      | NM_015570     | Hs.32168    | NP 056385    |
|      |            | (AUTS2), mRNA /cds=(322;4101)          | -             |             | _            |
|      |            | /gb=NM_015570 /gi=17864089             |               |             | <u> </u>     |
|      |            | /ug=Hs.32168 /len=5972                 | **            |             | ·            |
| 5412 | 0.003947   | SRY (sex determining region Y)-box 9   | NM 000346     | Hs.2316     | NP_000337    |
|      |            | (campomelic dysplasia, autosomal sex-  |               |             | ] -          |
|      |            | reversal) (SOX9), mRNA                 |               |             |              |
|      |            | /cds=(373,1902) /gb=NM_000346          |               |             |              |
|      |            | /gi=4557852 /ug=Hs.2316 /len=3936      |               | *.          |              |
| 5414 | 0.010277   | mRNA; cDNA DKFZp313L1834 (from         | AL832699      | Hs.336446   |              |
|      | 100        | clone DKFZp313L1834) /gb=AL832699      |               |             |              |
|      | 1          | /gi=21733278 /ug=Hs.336446             | l             |             | x 8          |
|      | 1          | /len=2883                              |               |             | `            |
| 5417 | 0.040751   |  | NM 018187     | Hs.7187     | NP_060657    |
| ,    |            | (FLJ10707), mRNA /cds=(192,2966)       | -             |             | 7            |
|      | 1          | /gb=NM_018187 /gi=8922606              |               | 1           | *            |
|      |            | /ug=Hs.7187 /len=3334                  | 0             |             |              |
| 5421 | 0.04244    | cDNA FLJ35247 fis, clone               | AK092566      | Hs.102951   | <del> </del> |
| .U=1 | 0.072-77   | PROST2003517, weakly similar to zinc   |               | 1.15.15255  | 1            |
|      |            | finger protein dp mRNA. /gb=AK092566   |               | 1 .         |              |
|      |            | /gi=21751188 /ug=Hs.102951             |               |             |              |
|      |            | //len=2724                             | İ             | 1           |              |
|      |            | Inon-2124                              | L:            | <del></del> | _خيخ         |

| Genes   | Corr spor | nding To Differentially Expressed Gen     | es in Figure 20 -                       | RA             |              |
|---------|-----------|---|---|----------------|--------------|
| Spot    | p-value   | Description                               | G ne                                    | Unigene        | Prot in      |
|         |           |   | Accession No.                           | Accession      | Acc ssion    |
|         |           |   |   | No.            | No.          |
| 5422    | 0.003947  | Finkel-Biskis-Reilly murine sarcoma       | NM_001997                               | Hs.177415      | NP_001988    |
|         |           | virus (FBR-MuSV) ubiquitously             |   |                |              |
|         |           | expressed (fox derived); ribosomal        |   |                |              |
|         |           | protein S30 (FAU), mRNA                   |   | ' ·            |              |
|         |           | /cds=(106,507) /gb=NM_001997              |   | *              |              |
|         |           | /gi=17981709 /ug=Hs.177415 /len=574       | · •                                     | •              |              |
|         | Y         |   | * | ~              |              |
| 5428    | 0.043799  | proteasome (prosome, macropain)           | NM_002799                               | Hs.433434      | NP_002790    |
| Ħ i     |           | subunit, beta type, 7 (PSMB7), mRNA       |   |                |              |
|         |           | /cds=(18,851) /gb=NM_002799               |   | 100            |              |
|         |           | /gi=23110926 /ug=Hs.433434                |   |                | *            |
| i       |           | /len=1012                                 |   |                |              |
| 5431    | 0.009388  | thymine-DNA glycosylase (TDG),            | NM_003211                               | Hs.173824      | NP_003202    |
|         | 120       | mRNA /cds=(400,1632)                      | ***                                     |                |              |
|         | 1,31      | /gb=NM_003211 /gi=4507422                 |   |                | - 20         |
|         | <u>:</u>  | /ug=Hs.173824 /len=3410                   |   |                |              |
| 5433    | 0.032636  | actin related protein 2/3 complex,        | NM_005717                               | Hs.82425       | NP_005708    |
|         |           | subunit 5, 16kDa (ARPC5), mRNA            | 1                                       |                |              |
|         |           | /cds=(192,647) /gb=NM_005717              |   |                |              |
|         |           | /gi=23238212 /ug=Hs.82425 /len=2000       |   |                |              |
| *       |           |   |   |                |              |
| 5435    | 0.002602  | prolylcarboxypeptidase (angiotensinase    | NM_005040                               | Hs.75693       | NP_005031    |
| Ť       |           | C) (PRCP), mRNA /cds=(30,1520)            |   | ,              |              |
| 1.      | 30        | /gb=NM_005040 /gi=4826939                 |   |                | , ,          |
|         |           | /ug=Hs.75693 /len=2060                    |   |                |              |
| 5448    | 0.040751  | eukaryotic translation initiation factor  | NM_001967                               | Hs.173912      | NP_001958    |
| 1       |           | 4A, isoform 2 (EIF4A2), mRNA              |   |                |              |
| , A     | ļ: "·     | /cds=(16,1239) /gb=NM_001967              |   |                |              |
|         |           | /gi=9945313 /ug=Hs.173912 /len=1864       |   |                |              |
|         |           | ×-X                                       | *                                       | <u></u>        |              |
| 5449    | 0.003947  | mRNA; cDNA DKFZp667D2123 (from            | AL832786                                | Hs.283643      |              |
| :       |           | clone DKFZp667D2123) /gb=AL832786         |   |                | -            |
|         |           | /gi=21733368 /ug=Hs.283643                |   |                |              |
| <u></u> | f.        | /len=3000                                 |   |                |              |
| 5467    | 0.003213  | DKFZp586L0218 (from clone                 | AL049383                                |                | NP_004841    |
|         |           | DKFZp586L0218)                            |   |                | 1.2. 22.22.2 |
| 5468    | 0.010277  | Deleted in split-hand/split-foot 1 region | NM_006304                               | Hs.333495      | NP_006295    |
| *       | ·         | (DSS1), mRNA /cds=(129,341)               | , =                                     |                |              |
| ļ.,     |           | /gb=NM_006304 /gi=5453639                 | (0)                                     | 1              |              |
| -       | 0.00000   | /ug=Hs.333495 /len=509                    | 100 00 1551                             | 11. 00.105.1   | 110 07007    |
| 5469    | 0.023945  | hypothetical protein FLJ21432             | NM_024551                               | Hs.334854      | NP_078827    |
|         |           | (FLJ21432), mRNA /cds=(110,886)           |   | l <sup>-</sup> |              |
| 1       |           | /gb=NM_024551 /gi=13375714                | 1                                       |                |              |
|         | L         | /ug=Hs.334854 /len=3500                   | 1.00                                    |                | 110 60 66 6  |
| 5472    | 0.047031  | PR domain containing 10 (PRDM10),         | NM_020228                               | Hs.275086      | NP_064613    |
| 1       |           | mRNA /cds=(217,3402)                      |   | *              | 1            |
|         |           | /gb=NM_020228 /gi=9910503                 | 1                                       | 1              | ]            |
| L       | l         | /ug=Hs.275086 /len=6010                   | ب ــــــــــــــــــــــــــــــــــــ  | <u> </u>       | 1            |

|       |          | nding To Differentially Expressed Gen       |                     |              |               |
|-------|----------|---|---------------------|--------------|---------------|
| Spot  | p-value  | Description                                 | Gene                | Unigene      | Protein       |
|       |          | ) (A  | Accession No.       | Accession    | Accession     |
|       | *        |   |                     | No.          | No.           |
| 5489  | 0.030249 | DKFZP566H073 protein                        | NM_015528           | Hs.7158      | NP 056343     |
|       | *        | (DKFZP566H073), mRNA                        | <del>-</del>        |              | _             |
|       |          | /cds=(450,1502) /gb=NM_015528               | ese sui ej a se a . |              | وأنفس والاراد |
| 1     |          | /gi=14149701 /ug=Hs.7158 /len=1723          |                     |              |               |
| 5499  | 0.007107 | adaptor-related protein complex 2,          | NM 004069           | Hs.119591    | NP 067586     |
|       |          | sigma 1 subunit (AP2S1), transcript         |                     |              |               |
|       |          | variant AP17, mRNA /cds=(71,499)            | * Y                 |              | ,             |
|       |          | /gb=NM_004069 /gi=11038644                  |                     |              |               |
|       |          | /ug=Hs.119591 /len=781                      |                     |              |               |
| 5502  | 0.003213 | AGENCOURT_6626032                           | BM923381            | Hs.437001    |               |
| 0002  | 0.000210 | NIH_MGC_116 cDNA clone                      | Dimocodo (          | 11.0. 10. 00 |               |
|       |          | IMAGE:5758987 5', mRNA sequence             |                     |              |               |
| 1 1   | -        | /clone=IMAGE:5758987 /clone end=5'          |                     |              |               |
|       |          | /gb=BM923381 /gi=19373760                   | -                   | *            |               |
| . *   | *        | /ug=Hs.437001 /len=1729                     |                     |              |               |
| *     |          | 7ug-11s.457001 /ieii-1729                   |                     |              |               |
| 5504  | 0.007807 | hypothetical protein FLJ22329               | NM 024656           | Hs.367653    | NP 078932     |
| 5504  | 0.007607 | (FLJ22329), mRNA /cds=(36,767)              | 14141_024030        | П5.307033    | NP_07,0932    |
|       |          | /gb=NM 024656 /gi=13375904                  |                     | 40           |               |
| ×     |          |   |                     | +            |               |
| 5521  | 0.020240 | /ug=Hs.367653 /len=2501                     | NIM OFFICE          | 110 00405    | ND 442002     |
| 5521  | 0.030249 | papillomavirus L2 interacting nuclear       | NM_052850           | Hs.83135     | NP_443082     |
|       |          | protein 1 (PLINP-1), mRNA                   | ×                   |              |               |
|       |          | /cds=(1,669) /gb=NM_052850                  |                     |              |               |
| 55.47 | 0.00004  | /gi=18959277 /ug=Hs.83135 /len=669          | 1114 474000         | 11- 077000   | ND 777500     |
| 5547  | 0.02801  | hypothetical protein MGC31967               | NM_174923           | Hs.277026    | NP_777583     |
|       |          | (MGC31967), mRNA /cds=(67,918)              |                     |              |               |
|       |          | /gb=NM_174923 /gi=28316809                  |                     |              |               |
|       | 8.0      | /ug=Hs.277026 /len=936                      |                     | +            | 115-22-3      |
| 5578  | 0.001339 | ATP synthase, H transporting,               | NM_001686           | Hs.406510    | NP_001677     |
|       |          | mitochondrial F1 complex, beta              |                     | -            |               |
|       |          | polypeptide (ATP5B), nuclear gene           |                     |              |               |
| - 50  |          | encoding mitochondrial protein, mRNA        | *                   |              |               |
|       |          | /cds=(46,1665) /gb=NM_001686                | *                   |              | - · · · .     |
| *     |          | /gi=4502294 /ug=Hs.406510 /len=1807         |                     |              |               |
|       |          |   |                     |              |               |
| 5580  | 0.047031 | PTK9L protein tyrosine kinase 9-like        | NM_007284           | Hs.6780      | NP_009215     |
|       |          | (A6-related protein) (PTK9L), mRNA          |                     |              |               |
| * .   |          | /cds=(105,1154) /gb=NM_007284               | -3-                 |              |               |
|       |          | /gi=6005845 /ug=Hs.6780 /len=1574           |                     |              |               |
| 5590  | 0.002337 | eukaryotic translation initiation factor 4E | NM_004846           | Hs.19122     | NP_004837     |
|       |          | like 3 (EIF4EL3), mRNA /cds=(15,752)        | . *                 |              |               |
|       |          | /gb=NM_004846 /gi=4757701                   |                     |              |               |
|       |          | /ug=Hs.19122 /len=974                       |                     |              |               |
| 5591  | 0.014599 | SEC22 vesicle trafficking protein-like 3    | NM_004206           | Hs.12942     | NP_116752     |
| •     |          | (S. cerevisiae) (SEC22L3), transcript       |                     |              | ,             |
|       |          | variant 2, mRNA /cds=(119,871)              |                     |              | 140           |
|       | 1        | /gb=NM_004206 /gi=21536310                  |                     | 1 .          |               |
|       |          | 1   |                     | 1            | 1             |
|       | (6)      | /ug=Hs.12942 /len=1519                      | -                   |              | 9.            |

| Genes          | Correspoi                              | nding To Differentially Expressed Gen   | es in Figure 20 -  | RA        |           |
|----------------|--|---|--------------------|-----------|-----------|
| Spot           | p-value                                | Description                             | Gene               | Unigene   | Protein   |
|                |  |   | Accession No.      | Accession | Acc ssion |
| 10.0           |  | *****                                   |                    | No.       | No.       |
| 5620           | 0.020388                               | solute carrier family 25 (mitochondrial | NM 001636          | Hs.407372 | NP 001627 |
|                |  | carrier, adenine nucleotide             |                    | 7         |           |
|                |  | translocator), member 6 (SLC25A6),      | بالدام مسيطعين الا | - 1 1-1   |           |
|                | ł                                      | nuclear gene encoding mitochondrial     |                    |           |           |
| granat<br>i    |  | protein, mRNA /cds=(93,989)             |                    | *         | * * *     |
|                |  | /gb=NM_001636 /gi=27764862              | 0                  | 0.        |           |
|                |  | /ug=Hs.407372 /len=1455                 |                    |           |           |
| 5629           | 0.017288                               | follistatin (FST), transcript variant   | NM 006350          | Hs.9914   | NP_037541 |
| -              |  | FST317, mRNA /cds=(28,981)              | <del>-</del>       |           |           |
|                |  | /gb=NM_006350 /gi=7242223               |                    |           |           |
|                | ,                                      | /ug=Hs.9914 /len=1386                   |                    |           |           |
| 5635           | 0.014599                               | mRNA for KIAA0251 gene, partial cds.    | D87438             | Hs.343566 |           |
|                |  | /cds=(1,2464) /gb=D87438 /gi=2055294    | · ·                |           |           |
|                |  | /ug=Hs 343566 /len=3875                 |                    |           |           |
|                |  |   | 3                  |           | *         |
| 5639           | 5.79F-04                               | mitogen-activated protein kinase 7      | NM 139033          | Hs.3080   | NP 620603 |
|                |  | (MAPK7), transcript variant 1, mRNA     |                    |           |           |
|                | e i talvit                             | /cds=(355,2805) /gb=NM 139033           |                    |           |           |
|                |  | /gi=20986500 /ug=Hs.3080 /len=3113      | 0.02               |           | in a con  |
| 5644           | 0.014599                               | integrin, beta 1 (fibronectin receptor, | NM 002211          | Hs.287797 | NP 596867 |
| ) <del>-</del> |  | beta polypeptide, antigen CD29          | · · · · · ·        |           |           |
| 1 77           | (X)                                    | includes MDF2, MSK12) (ITGB1),          | ,                  |           |           |
|                |  | transcript variant 1A, mRNA             |                    |           | *         |
|                |  | /cds=(127,2523) /gb=NM_002211           |                    | (         |           |
|                |  | /gi=19743812 /ug=Hs.287797              |                    |           |           |
| ,,             |  | /len=3700                               | *                  |           |           |
| 5650           | 0.011238                               | small cytoplasmic Y RNA (Y4)            | L32608             |           |           |
| 3333           | 0.011200                               | (=X57566 hy4 Ro RNA (associated with    | · ·                |           |           |
| -              | *                                      | erythrocyte Ro RNP's))                  |                    | 300       |           |
| 5653           | 0.011238                               | glypican 3 (GPC3), mRNA                 | NM_004484          | Hs.119651 | NP 004475 |
| 1              | 0.00                                   | /cds=(191,1933) /gb=NM_004484           |                    |           |           |
|                |  | /gi=5360213 /ug=Hs.119651 /len=2382     |                    |           |           |
|                |  | (                                       |                    | :-        | * *       |
| 5656           | 0.047031                               | calcium channel, voltage-dependent,     | NM_000723          | Hs.635    | NP 000714 |
|                |  | beta 1 subunit (CACNB1), mRNA           | -                  |           | _         |
|                | 16                                     | /cds=(150,1940) /gb=NM_000723           | 1,                 |           | -(-       |
|                |  | /gi=19923118 /ug=Hs.635 /len=3658       |                    | -         |           |
| 5657           | 0.010277                               |   | NM_005765          | Hs.183434 | NP_005756 |
|                |  | (vacuolar proton pump) membrane         |                    |           | -         |
| ,              | . "                                    | sector associated protein M8-9          |                    |           | ·         |
|                |  | (ATP6M8-9), mRNA /cds=(103,1155)        |                    |           |           |
|                |  | /gb=NM 005765 /gi=15011917              |                    | 1         |           |
|                |  | /ug=Hs.183434 /len=2044                 | 0                  |           |           |
| 5665           | 0.010277                               | golgi associated, gamma adaptin ear     | NM_138619          | Hs.87726  | NP_619525 |
|                | 3.5.02.7                               | containing, ARF binding protein 3       |                    |           |           |
| }              |  | (GGA3), transcript variant long, mRNA   | 1                  | l         | •.        |
| ž              |  | /cds=(10,2181) /gb=NM_138619            |                    | * -       | ] -       |
|                | * .                                    | /gi=20336266 /ug=Hs.87726 /len=3860     |                    |           | * '       |
|                | 1                                      |   |                    | 1         |           |
|                | ــــــــــــــــــــــــــــــــــــــ | <u> </u>                                | <u> </u>           |           | J         |

|             |            | nding To Differentially Expressed Gen      |                                       |                      |                   |
|-------------|------------|--|---------------------------------------|----------------------|-------------------|
| Spot        | p-value    | Description                                | Gene<br>Accession No.                 | Unigene<br>Accession | Prot in Acc ssion |
|             |            | <u> </u>                                   |                                       | No.                  | No.               |
| 5669        | 0.043799   | membrane protein, palmitoylated 1,         | NM_002436                             | Hs.1861              | NP_002427         |
| -           |            | 55kDa (MPP1), mRNA /cds=(116,1516)         |                                       |                      | :                 |
|             | 1          | /gb=NM_002436 /gi=6006024                  |                                       | -                    |                   |
|             |            | /ug=Hs.1861 /len=2001                      |                                       |                      | - 1               |
| 5670        | 0.043799   | suppressor of cytokine signaling 1         | NM_003745                             | Hs.50640             | NP_003736         |
| · .         |            | (SOCS1), mRNA /cds=(155,790)               | _                                     |                      |                   |
| •           | }          | /gb=NM_003745 /gi=4507232                  | 1                                     |                      | •                 |
| 21 T        |            | /ug=Hs.50640 /len=1216                     | ,                                     |                      |                   |
| 5674        | 0.003213   | peroxisome biogenesis factor 1 (PEX1),     | NM 000466                             | Hs.99847             | NP 000457         |
|             | 0.0002     | mRNA /cds=(61,3912) /gb=NM_000466          |                                       |                      | 7                 |
| - '         |            | /gi=4505724 /ug=Hs.99847 /len=4343         |                                       | 6 . (                |                   |
| £44.7       |            | /gi-4000/24/dg (15:0004/ /icii-40/0        |                                       |                      | *                 |
| 5675        | 0.018784   | EST (aa17f08.r1 Soares NhHMPu S1           | AA455618                              |                      |                   |
| 5015        | 0.0 10/04  | clone 813543 5')                           | 7.7.4-55010                           |                      |                   |
| <b>E607</b> | 0.00169    | furin (paired basic amino acid cleaving    | NM 002569                             | Hs.59242             | NP_002560         |
| 5697        | 0.00108    |  | I NINI_OOZOOS                         | 113.33242            | 11VF_002300       |
| 4:3         |            | enzyme) (FURIN), mRNA                      |                                       |                      | , :               |
| i.2         |            | /cds=(217,2601) /gb=NM_002569              | . 8                                   |                      |                   |
|             |            | /gi=20336193 /ug=Hs.59242 /len=4180        |                                       |                      |                   |
|             |            | h  |                                       | 11 00700             | ND 00000          |
| 5698        | 0.040751   | serine (or cysteine) proteinase inhibitor, | NM_000295                             | Hs.297681            | NP_000286         |
| ٠.          |            | clade A (alpha-1 antiproteinase,           |                                       | *                    |                   |
|             |            | antitrypsin), member 1 (SERPINA1),         |                                       |                      |                   |
| , ,         |            | mRNA /cds=(233,1489)                       |                                       |                      |                   |
| ÷.          |            | /gb=NM_000295 /gi≅21361197                 | · · · · · · · · · · · · · · · · · · · | 7 (6)                |                   |
|             |            | /ug=Hs.297681 /len=1584                    | &                                     |                      |                   |
| 5701        | 0.023945   | mitochondrion, complete genome             | NC_001807                             |                      |                   |
| 5709        |            | clone IMAGE:4993796, mRNA                  | BC040073                              | Hs.322437            |                   |
|             |            | /gb=BC040073 /gi=25455647                  |                                       |                      |                   |
| • .         |            | /ug=Hs.322437 /len=2265                    | - *                                   |                      |                   |
| 5724        | 0.00168    | proliferation-associated 2G4, 38kDa        | NM_006191                             | Hs.374491            | NP_006182         |
| 7 - !       |            | (PA2G4), mRNA /cds=(98,1282)               | -                                     |                      |                   |
| * .         |            | /gb=NM_006191 /gi=5453841                  |                                       |                      | ,                 |
| - "         | *          | /ug=Hs.374491 /len=1697                    |                                       |                      |                   |
| 5744        | 0.001339   | DNA segment on chromosome X                | NM_004699                             | Hs.54277             | NP 004690         |
|             | 0.001333   | (unique) 9928 expressed sequence           | 11111_004009                          | 113.04211            |                   |
|             |            | (DXS9928E), mRNA /cds=(76,1095)            |                                       |                      |                   |
|             |            | /gb=NM_004699 /gi=4758219                  |                                       |                      |                   |
|             |            | , -  |                                       |                      |                   |
| E740        | 0.000000   | /ug=Hs.54277 /len=1311                     | NIM COCCES                            | Ua 2600              | ND 002072         |
| 5746        | 0.032636   | glypican 1 (GPC1), mRNA                    | NM_002081                             | Hs.2699              | NP_002072         |
|             | 0          | /cds=(222,1898) /gb=NM_002081              |                                       |                      | a .               |
|             | 2 2 12 = = | /gi=4504080 /ug=Hs.2699 /len=3692          |                                       | 111 4000==           | ND COCCO          |
| 5755        | 0.040751   | paraoxonase 2 (PON2), mRNA                 | NM_000305                             | Hs.169857            | NP_000296         |
|             |            | /cds=(33,1097) /gb=NM_000305               | *                                     |                      | 1                 |
|             | ;          | /gi=4505952 /ug=Hs.169857 /len=1600        |                                       | ******               | ,                 |
|             |            |  |                                       | 1 (                  |                   |
| 5758        | 0.047031   | STIP1 and U-Box containing protein 1       | NM_005861                             | Hs.25197             | NP_005852         |
|             |            | (STUB1), mRNA /cds=(57,968)                | ļ                                     |                      |                   |
|             | 1          | /gb=NM_005861 /gi=5031962                  |                                       | 1                    | 1                 |
|             |            | 1/40-14141 00000 1 /41-000 1902            |                                       |                      |                   |

| Genes | Correspoi                             | nding To Differentially Express d Gen      | es in Figure 20 - | RA           | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|-------|---------------------------------------|--|-------------------|--------------|---------------------------------------|
|       |                                       | D scription                                | Gene              | Unig ne      | Protein                               |
| ,. ,  |                                       |  | Accession No.     | Accession    | Accession                             |
| . 3   |                                       |  |                   | No.          | No.                                   |
| 5769  | 0.002096                              | cDNA: FLJ21561 fis, clone COL06415.        | AK025214          | Hs.96918     | 1                                     |
|       |                                       | /gb=AK025214 /gi=10437681                  |                   |              |                                       |
|       | ***                                   | /ug=Hs.96918 /len=1641                     |                   |              |                                       |
|       |                                       |  |                   |              | ,                                     |
| 5777  | 0.020388                              | cathepsin L (CTSL), transcript variant 1,  | NM 001912         | Hs.78056     | NP 666023                             |
| -     |                                       | mRNA /cds=(345,1346)                       | _                 |              |                                       |
|       |                                       | /gb=NM_001912 /gi=22202617                 | *                 |              |                                       |
| -     |                                       | /ug=Hs.78056 /len=1632                     |                   |              | . 0                                   |
| 5781  | 0.002893                              | hect domain and RLD 3 (HERC3),             | NM 014606         | Hs.35804     | NP 055421                             |
| 0,01  | 0.002000                              | mRNA /cds=(167,3319)                       |                   |              |                                       |
|       |                                       | /gb=NM_014606 /gi=7657151                  | 14.7              |              |                                       |
|       |                                       | /ug=Hs.35804 /len=4894                     |                   |              |                                       |
| 5818  | 0.015805                              | CDC28 protein kinase regulatory            | NM_001826         | Hs.348669    | NP 001817                             |
| VO 10 | 0.010090                              | subunit 1B (CKS1B), mRNA                   | 1111_00 1020      | 1.10.04000   | 1.1100,10,17                          |
|       | yaq                                   | /cds=(10,249) /gb=NM_001826                | e e * (2)         |              |                                       |
|       |                                       | /gi=4502856 /ug=Hs.348669 /len=717         |                   |              |                                       |
| 5821  | 0.03901                               | ribosomal protein L11 (RPL11), mRNA        | NM 000975         | Hs.388664    | NP 000966                             |
| 3021  | 0.02601                               | /cds=(21,557) /gb=NM 000975                | NW_000975         | 113.500004   | NF_000900                             |
| - 100 |                                       | /gi=15431289 /ug=Hs.388664 /len=609        | <b>.</b>          |              |                                       |
|       |                                       | rgi=15451269 rug=ns.566664 rien=609        |                   |              | 2                                     |
| 5000  | 0.040704                              | 140 (001404)                               | NIN 040400        | U- 200225    | ND 026555                             |
| 5826  | 0.018784                              | ribosomal protein L13a (RPL13A),           | NM_012423         | Hs.389335    | NP_036555                             |
|       |                                       | mRNA /cds=(23,634) /gb=NM_012423           |                   |              |                                       |
| ÷ - 5 | *                                     | /gi=14591905 /ug=Hs.389335                 | ٠ <i>٦</i> ٠٠.    | *            | *                                     |
| 500.4 | 0.005177                              | /len=1142                                  | NIA 004000        | 11- 00054    | ND 004000                             |
| 5834  | 0.035177                              | myosin IE (MYO1E), mRNA                    | NM_004998         | Hs.82251     | NP_004989                             |
|       |                                       | /cds=(376,3705) /gb=NM_004998              |                   | - A          |                                       |
|       | 2 2 2 2 2 4                           | /gi=4826843 /ug=Hs.82251 /len=4666         | 1114 000400       |              | NE 201500                             |
| 5837  | 0.02801                               | GK001 protein (GK001), mRNA                | NM_020198         | Hs.8207      | NP_064583                             |
| *     | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | /cds=(185,1636) /gb=NM_020198              |                   |              |                                       |
|       | No p 1                                | /gi=9910241 /ug=Hs:8207 /len=3294          |                   | 1            | 1.2 2.222.                            |
| 5844  | 0.007807                              | ATP synthase, H. transporting,             | NM_007100         | Hs.85539     | NP_009031                             |
| . 1   | 1                                     | mitochondrial F0 complex, subunit e        |                   | ļ.           |                                       |
|       |                                       | (ATP5I), mRNA /cds=(64,273)                |                   |              | * *                                   |
| -     |                                       | /gb=NM_007100 /gi=6005716                  |                   |              |                                       |
|       |                                       | /ug=Hs.85539 /len=336                      |                   | <del> </del> | 1,2-3                                 |
| 5868  | 0.043799                              | serine (or cysteine) proteinase inhibitor, | NM_000602         | Hs:82085     | NP_000593                             |
|       |                                       | clade E (nexin, plasminogen activator      |                   | . No. 1      |                                       |
|       | , .                                   | inhibitor type 1), member 1                | · '.              |              |                                       |
|       |                                       | (SERPINE1), mRNA /cds=(76,1284)            |                   |              |                                       |
|       | and the same of                       | /gb=NM_000602 /gi=10835158                 |                   |              |                                       |
| ٠.    |                                       | /ug=Hs.82085 /len=2876                     | <u> </u>          |              | 16                                    |
| 5880  | 0.012276                              | amyloid beta precursor protein             | NM_006380         | Hs.84084     | NP_006371                             |
|       |                                       | (cytoplasmic tail) binding protein 2       |                   |              |                                       |
|       |                                       | (APPBP2), mRNA /cds=(289,2046)             |                   | 1            | •                                     |
|       |                                       | /gb=NM_006380 /gi=18104961                 | ,                 |              |                                       |
|       | -                                     | /ug=Hs.84084 /len=6468                     |                   | L            |                                       |
| 5903  | 5.79E-04                              | dinucleotide miCRosatellite HUJII77        | M96348            | 1.           |                                       |

|             |           | nding To Differentially Express d Gen   | Gene            | Unio no                | Drotoir                 |
|-------------|-----------|---|-----------------|------------------------|-------------------------|
| Spot        | p-value   | D scription                             | Accession No.   | Unig ne<br>Accession   | Protein<br>Accession    |
| 5905        | 0.03700   | protein phosphatase 2 (formerly 2A),    | NM 002718       | <b>No.</b><br>Hs.28219 | <b>No.</b><br>NP 002709 |
| วอบุว       | 0.03700   |   | 14141_0027 10   | 115.20219              | NF_002709               |
|             |           | regulatory subunit B", alpha            |                 | 7000                   |                         |
|             | *         | (PPP2R3A), mRNA /cds=(505,3957)         | *               |                        | 1                       |
|             |           | /gb=NM_002718 /gi=19923228              | . "             |                        | 1                       |
|             |           | /ug=Hs.28219 /len=5217                  | 7.              |                        |                         |
| 5912        | 0.043799  | CGI-149 protein (CGI-149), mRNA         | NM_016079       | Hs.189658              | NP_057163               |
|             |           | /cds=(19,687) /gb=NM_016079             |                 |                        | *                       |
|             |           | /gi=7706352 /ug=Hs.189658 /len=3064     |                 | y                      |                         |
|             | 7         |   |                 |                        | ,                       |
| 5939        | 0.005325  | BTAF1 RNA polymerase II, B-TFIID        | NM_003972       | Hs 180930              | NP_003963               |
|             |           | transcription factor-associated, 170kDa |                 | 1                      |                         |
|             |           | (Mot1 S. cerevisiae) (BTAF1), mRNA      | ť               |                        | y                       |
|             |           | /cds=(118,5667) /gb=NM_003972           |                 |                        |                         |
| +           |           | /gi=27477069 /ug=Hs.180930              |                 | -                      | <b>\</b>                |
| • *         |           | /len=6345                               |                 |                        |                         |
| 5955        | 0.032636  | glucan (1,4-alpha-), branching enzyme   | NM 000158       | Hs.1691                | NP 000149               |
| 4444        |           | 1 (glycogen branching enzyme,           |                 |                        |                         |
| · · ·       |           | Andersen disease, glycogen storage      |                 | 1                      | {                       |
|             | *         | disease type IV) (GBE1), mRNA           |                 | 0                      |                         |
|             |           | /cds=(79,2187) /gb=NM_000158            | \(\frac{1}{2}\) |                        | 1                       |
|             | 1 44 4    | /gi=4557618 /ug=Hs.1691 /len=2913       | 100             | *                      |                         |
| , (C        |           | /gi=45576167ug=ns.16917ieii=2915        |                 | *                      |                         |
| 5074        | 0.042700  | V(A A 0.000 (V(A A 0.000))              | NIM COACAE      | Un 407076              | NP 067677               |
| 5974        | 0.043799  | KIAA0266 gene product (KIAA0266),       | NM_021645       | Hs.127376              | NP_00/0//               |
|             |           | mRNA /cds=(734,3034)                    |                 |                        |                         |
|             |           | /gb=NM_021645 /gi=11063982              | • •             |                        | ) ' ' ·                 |
| <del></del> |           | /ug=Hs.127376 /len=5585                 | 11000.00        |                        |                         |
| 5976        | 0.007807  | ox06a01.s1                              | AI033469        | Hs.386279              |                         |
|             | Y ST      | Soares_fetal_liver_spleen_1NFLS_S1      |                 |                        |                         |
| . •         |           | cDNA clone IMAGE:1655496 3' similar     | *               |                        |                         |
|             |           | to gb:M86849 GAP JUNCTION BETA-2        | (0)             |                        |                         |
|             |           | PROTEIN mRNA sequence                   |                 |                        |                         |
|             |           | /clone=IMAGE:1655496 /clone_end=3'      | -ic             |                        | *                       |
|             | <u> </u>  | /gb=AI033469 /gi=3254422                | <u> </u>        |                        |                         |
| . • •       |           | /ug=Hs.386279 /len=551                  |                 |                        | *                       |
| 5980        | 0.015895  | MCM6 minichromosome maintenance         | NM_005915       | Hs.155462              | NP_005906               |
|             | . :       | deficient 6 (MIS5 S. pombe) (S.         |                 |                        | *                       |
|             |           | cerevisiae) (MCM6), mRNA                |                 | ]                      |                         |
|             |           | /cds=(56,2521) /gb=NM_005915            |                 | . *                    |                         |
|             |           | /gi=24431964 /ug=Hs.155462              |                 |                        | 1                       |
|             |           | /len=3744                               |                 |                        |                         |
| 5982        | 0.047031  | neuron navigator 1 (NAV1), mRNA         | NM_020443       | Hs.6298                | NP 065176               |
| JJU2        | 3.5-1.001 | /cds=(348,5972) /gb=NM_020443           | 32017           |                        | -000,,0                 |
|             |           | /gi=27262621 /ug=Hs.6298 /len=11365     | ļ               |                        |                         |
|             |           | rgi-21202021/ug-115.0290/left-11505     | 1               |                        |                         |
| 5000        | 0.040754  | Tring finger and DTD demain containing  | NIM 0140E0      | Un 272600              | ND DEETEE               |
| 5986        | 0.040/51  | zinc finger and BTB domain containing   | NM_014950       | Hs.372699              | NP_055765               |
|             |           | 1 (ZBTB1), mRNA /cds=(263,2197)         | · ·             |                        |                         |
|             | . `       | /gb=NM_014950 /gi=7662437               | İ               |                        | *                       |
|             |           | /ug=Hs.372699 /len=3990                 |                 |                        | , , ,                   |
|             | 1         | P - A                                   |                 |                        |                         |

|          |            | nding To Differentially Expressed Gen  |               |             |  |
|----------|------------|--|---------------|-------------|--|
| Spot     | p-value    | Description                            | Gene          | Unigene     | Protein  |
|          |            | ***                                    | Accession No. | Accession   | Accession  |
|          |            |  |               | No.         | No.  |
| 5988     | 0.001193   | aldehyde dehydrogenase 1 family,       | NM_000693     | Hs.75746    | NP_000684  |
|          |            | member A3 (ALDH1A3), mRNA              |               | • •         |  |
|          |            | /cds=(53,1591) /gb=NM_000693           |               | ·           | on a great                                       |
| 1        | ·          | /gi=4502040 /ug=Hs.75746 /len=3442     |               |             | -4.0   |
| 5991     | 0.030249   | coagulation factor V (proaccelerin,    | NM_000130     | Hs.30054    | NP_000121  |
| .t -     |            | labile factor) (F5), mRNA              |               |             | _  |
|          |            | /cds=(98,6772) /gb=NM_000130           |               | . 0         |  |
|          |            | /gi=10518500 /ug=Hs.30054 /len=6914    |               |             |  |
|          | *          |  | an x          |             |  |
| 6006     | 0.049079   | ribosomal protein L23a (RPL23A),       | NM 000984     | Hs.419463   | NP 000975  |
|          |            | mRNA /cds=(22,492) /gb=NM_000984       |               |             |  |
| :        | -          | /gi=17105393 /ug=Hs.419463 /len=546    |               |             |  |
| 1.       |            |  | 00-           |             |  |
| 6015     | 0.023945   | KIAA0373 gene product (KIAA0373),      | NM_014684     | Hs.150444   | NP: 055499                                       |
|          | 9,52,50,10 | mRNA /cds=(1181,5800)                  |               | ]           |  |
|          | *          | /gb=NM_014684 /gi=7662079              |               | * *         | *  |
|          |            | /ug=Hs.150444 /len=5967                |               | - 0 1       |  |
| 6029     | 0.030249   | high-glucose-regulated protein 8       | NM 016258     | Hs.20993    | NP_057342  |
| 0025     | 0.000240   | (HGRG8), mRNA /cds=(151,1863)          | 11111_010200  | 110.2000    | 11110010.12                                      |
|          |            | /gb=NM 016258 /gi=7705410              |               |             |  |
|          |            | /ug=Hs.20993 /len=2730                 |               |             |  |
| 6049     | 0.035177   |  | NM 006807     | Hs.77254    | NP 006798  |
| 6049     | 0.033177   | chromobox 1 (HP1 beta Drosophila )     | INIVI_UUQOU7  | П5.7.7204   | 1111-000790                                      |
|          |            | (CBX1), mRNA /cds=(292,849)            | ,             | •           |  |
| ·        | <b>.</b>   | /gb=NM_006807 /gi=21359877             | 7             |             |  |
| 0050     | 0.007407   | /ug=Hs.77254 /len=2242                 | NIN 000000    | 11- 400000  | ND 000000  |
| 6052     | 0.007107   | thioredoxin (TXN), mRNA                | NM_003329     | Hs.432922   | NP_003320  |
|          |            | /cds=(64,381) /gb=NM_003329            | χ.            |             |  |
| 0050     | 0.000040   | /gi=4507744 /ug=Hs.432922 /len=501     | D07400        | 11: 040440  | <del>                                     </del> |
| 6058     | 0.003213   | mRNA for KIAA0276 gene, partial cds    | D87466        | Hs.240112   |  |
|          |            | /cds=(1,932) /gb=D87466 /gi=1665816    | * .           |             |  |
|          |            | /ug=Hs 240112 /len=4185                |               | {           |  |
| <u> </u> | *          |  | a . = . = a i | -           | 4121 422 22                                      |
| 6062     |            | zinc finger protein (ZNF141)           | L15309        |             | NP_003432  |
| 6064     | 0.004825   | actin related protein 2/3 complex,     | NM_005719     | Hs.293750   | NP_005710  |
|          |            | subunit 3, 21kDa (ARPC3), mRNA         |               |             | 1  |
|          | 1          | /cds=(94,630) /gb=NM_005719            |               |             | <b>!</b>   |
|          | ľ          | /gi=23397667 /ug=Hs.293750 /len=912    |               | 1           |  |
|          |            |  |               |             |  |
| 6069     | 0.040751   | stress-associated endoplasmic          | NM_014445     | Hs.76698    | NP_055260  |
|          |            | reticulum protein 1; ribosome          |               |             |  |
|          |            | associated membrane protein 4          |               | .y. = (£, = |  |
|          | }          | (SERP1), mRNA /cds≈(316,516)           | Į.            | 1           | ļ  |
|          |            | /gb=NM_014445 /gi=19923408             |               | )           |  |
|          |            | /ug=Hs.76698 /len=2488                 |               | - · ·       |  |
| 6079     | 0.015895   | extracellular matrix protein 2, female | NM_001393     | Hs.35094    | NP_001384  |
|          |            | organ and adipocyte specific (ECM2),   | _             |             | ,  |
|          |            | mRNA /cds=(74,2173) /gb=NM_001393      |               |             |  |
|          | I'         | /gi=4557542 /ug=Hs.35094 /len=3171     | -             |             | 1  |
|          | · ]        | 1/g1=400/042/dg=113.00004/1011=01/1    |               |             |  |

|         |          | nding To Differentially Expressed Gen  |   |               | 0            |
|---------|----------|--|---|---------------|--------------|
| Spot    | p-value  | Description                            | Gene                                    | Unig ne       | Protein      |
|         |          |  | Accession No.                           | Acc ssion     | Accession    |
|         |          |  |   | No.           | No.          |
| 6092    | 0.002893 | hypothetical protein (KIAA0128)        | D50918                                  | 91            | NP 665801    |
| 6112    |          | gp25L2 protein                         | X90872                                  | 7.00          | NP 059980    |
| 6128    |          | Rab acceptor 1 (prenylated) (RABAC1),  | NM 006423                               | Hs.11417      | NP 006414    |
| .0 , 20 | 0.000    | mRNA /cds=(31,588) /gb=NM_006423       |   |               |              |
|         |          | /gi=5453959 /ug=Hs.11417 /len=770      |   |               | *            |
|         |          | 7g. 5 100000 7ug 110.11417 7.911 11 0  |   |               |              |
| 6144    | 0.018784 | CSE1 chromosome segregation 1-like     | NM 001316                               | Hs.90073      | NP 803185    |
| 0144    | 0.010704 | (yeast) (CSE1L), mRNA                  | ,,,,,,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 110.00010     | 555.65       |
| 2       |          | /cds=(124,3039) /gb=NM_001316          | • '                                     |               | }            |
| 90.8    |          | /gi=4503072 /ug=Hs.90073 /len=3147     |   | d *           |              |
| 6145    | 0.000388 | replication factor C (activator 1) 2,  | NM_002914                               | Hs.139226     | NP: 002905   |
| 0143    | 0.009300 |  | 14141_002914                            | 115,135220    | 147_002903   |
|         |          | 40kDa (RFC2), mRNA /cds=(208,1272)     | Y .                                     |               |              |
|         |          | /gb=NM_002914 /gi=4506486              |   |               |              |
|         |          | /ug=Hs.139226 /len=1709                |   |               |              |
|         | 2 222522 |  | 1440450                                 |               | ND: 700000   |
| 6158    | 0.008566 |  | M13452                                  | 140000        | NP_733822    |
| 6166    | 0.035177 | ribosomal protein L10 (RPL10), mRNA    | NM_006013                               | Hs.412900     | NP_006004    |
|         |          | /cds=(42,686) /gb=NM_006013            |   | 9             |              |
|         |          | /gi=15718685 /ug=Hs.412900             |   | ·             | . 0          |
|         |          | /len=2188                              |   |               |              |
| 6182    | 0.043799 | signal sequence receptor, gamma        | NM_007107                               | Hs.28707      | NP_009038    |
|         |          | (translocon-associated protein gamma)  | ,                                       |               |              |
| l' ,    |          | (SSR3), mRNA /cds=(57,614)             |   | 7             | * *          |
|         |          | /gb=NM_007107 /gi=6005883              | -                                       |               | 8 ,          |
|         | VI.      | /ug=Hs.28707 /len=3061                 |   |               |              |
| 6183    | 0.043799 | actin related protein 2/3 complex,     | NM_005720                               | Hs.433506     | NP_005711    |
|         |          | subunit 1B, 41kDa (ARPC1B), mRNA       |   | j             | =            |
| 9       |          | /cds=(90,1208) /gb=NM_005720           | \$ Yes                                  |               |              |
|         |          | /gi=22907055 /ug=Hs.433506             |   | 1             | ,            |
| 1       |          | /len=1520                              |   | 0.00          |              |
| 6214    | 0.005325 | adenylosuccinate lyase(ADSL)           | NM 000026                               |               | NP 000017 34 |
| 6223    |          | proteasome (prosome, macropain)        | NM_002789                               | Hs.251531     | NP_002780    |
|         |          | subunit, alpha type, 4 (PSMA4), mRNA   |   |               | _,,          |
|         | -        | /cds=(137,922) /gb=NM_002789           |   |               | •            |
|         | 1        | /gi=23110940 /ug=Hs.251531             |   |               | <b>1</b>     |
|         |          | /len=1189                              |   | } .           |              |
| 6236    | 0.035177 | Similar to deleted in lymphocytic      | BC006995                                | Hs.383241     |              |
| 0230    | 0.000177 | leukemia, 2, clone IMAGE:4044244,      | 100000000                               | 113.505241    |              |
|         | * 1      | mRNA /gb=BC006995 /gi=14711944         | 1                                       |               |              |
|         |          |  |   |               | -            |
| 6000    | 0.004207 | /ug=Hs.383241 /len=1150                | NIM 001004                              | Hs.171271     | ND 00190F    |
| 6260    | 0.004367 | catenin (cadherin-associated protein), | NM_001904                               | IDS. 17 127 1 | NP_001895    |
| · '     | 1        | beta 1, 88kDa (CTNNB1), mRNA           |   |               |              |
|         | 1        | /cds=(215,2560) /gb=NM_001904          | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | 4             | 1            |
| *       |          | /gi=4503130 /ug=Hs.171271 /len=3362    |   | * . v         | ľ            |
|         |          |  |   |               | 1            |
| 6263    | 0.040751 | down-regulated in metastasis (DRIM),   | NM_014503                               | Hs.178614     | NP_055318    |
| }       | 1        | mRNA /cds=(145,8502)                   |   |               | 1            |
|         |          | /gb=NM_014503 /gi=7657040              | 1                                       |               |              |
| 1       |          | /ug=Hs.178614 /len=9017                | in a                                    |               | ·            |

| Genes | Correspon | nding To Differentially Expressed Gen                         | es in Figure 20 -                     | RA           | *            |
|-------|-----------|---|---------------------------------------|--------------|--------------|
|       |           | Description   | Gene                                  | Unig n       | Protein      |
|       |           |   | Accession No.                         | Accession    | Accession    |
| *     |           |   |                                       | No.          | No.          |
| 6264  | 0.023945  | BNIP3H (BNIP3H) nuclear gene for                              | AF255051                              |              |              |
|       |           | mitochondrial product   |                                       |              |              |
| 6311  |           | peptidylprolyl isomerase A (cyclophilin                       | NM_021130                             | Hs:401787    | NP_066953    |
|       |           | A) (PPIA), mRNA /cds=(45,542)                                 | · · · · · · · · · · · · · · · · · · · | ,            |              |
|       | . 0       | /gb=NM 021130 /gi=10863926                                    |                                       |              | 21.57        |
| Ç.    |           | /ug=Hs.401787 /len=753  |                                       |              |              |
| *     |           |   |                                       |              |              |
| 6316  | 0.039408  | KIAA1046 protein (KIAA1046)                                   | NM 014928                             |              |              |
| 6322  |           | ubiquitin specific protease 9 (USP9Y)                         | XM 000563                             |              |              |
| 6326  |           | mitochondrial ribosomal protein S31                           | NM 005830                             | Hs.154655    | NP 005821    |
| 00.0  | 3 V       | (MRPS31), nuclear gene encoding                               |                                       |              |              |
|       | -         | mitochondrial protein, mRNA                                   |                                       |              |              |
|       |           | /cds=(22,1209) /gb=NM_005830                                  |                                       |              |              |
| *.    |           | /gi=16950599 /ug=Hs.154655                                    |                                       |              | 1            |
|       | ,         | /len=1284   |                                       |              |              |
| 6329  | 0.011238  | transforming growth factor beta-                              | NM 006022                             | Hs.114360    | NP 006013    |
| 0023  | 0.011200  | stimulated protein TSC-22 (TSC22),                            | 999922                                | 11.0.111000  | 0000.0       |
| 1     |           | mRNA /cds=(192,626) /gb=NM_006022                             |                                       |              |              |
|       |           | /gi=5174728 /ug=Hs.114360 /len=1725                           |                                       |              | · .          |
| 1     |           | /gi=51/4/20/ug=113.114300/ich=1/20                            |                                       |              | 1            |
| 6331  | 0.02801   | decay accelerating factor for                                 | NM 000574                             | Hs.1369      | NP 000565    |
| 0001  | 0.02001   | complement (CD55, Cromer blood                                | 11111_00007-4                         | 113.1000     | 000000       |
|       |           | group system) (DAF), mRNA                                     |                                       | ]            |              |
| ٠.    |           | /cds=(66,1211) /gb=NM_000574                                  |                                       |              |              |
|       | }         | /gi=10835142 /ug=Hs.1369 /len=2102                            |                                       | ]            |              |
| 6342  | 0.003213  | oxidoreductase UCPA (LOC56898),                               | NM 020139                             | Hs.124696    | NP 064524    |
| 0042  | 0.000213  | mRNA /cds=(70,807) /gb=NM_020139                              | 14101_020103                          | 113.124000   | 1111 _004524 |
| l     | ł         | /gi=10047131 /ug=Hs.124696                                    |                                       |              | }            |
|       |           | /len=1048   |                                       |              |              |
| 6343  | 0.022626  | inhibitor of Bruton's tyrsoine kinase                         | NM 015525                             | Hs.306425    | NP 056340    |
| 0343  | 0.032030  | (IBTK), mRNA /cds=(420,1031)                                  | 14141_019955                          | 11 13.000420 | 145 000040   |
|       |           | /gb=NM_015525 /gi=24308082                                    |                                       |              |              |
|       |           | /ug=Hs.306425 /len=2240                                       | *                                     |              |              |
| 6347  | 0.044220  | mitochondrion, complete genome                                | NC 001807                             |              |              |
| 6348  |           | major histocompatibility complex, class                       | NM 018950                             | Hs.110309    | NP 061823    |
| 0348  | 0.001193  |   | 14141 0 10920                         | 1115.110308  | NF_001023    |
|       |           | I, F (HLA-F), mRNA /cds=(1,1089)<br>/gb=NM_018950 /gi=9665231 | \$                                    | *            |              |
| 1     |           |   |                                       |              |              |
|       |           | /ug=Hs.110309 /len=1188                                       |                                       | 1            |              |
| 6354  | 0.026707  | N-myristoyltransferase 1 (NMT1),                              | NM 021079                             | Hs.111039    | NP_066565    |
| 0354  | 0.020/9/  | mRNA /cds=(28,1518) /gb=NM 021079                             | . = .                                 | 113. 111038  | TE _000000   |
| 1     | 1         | _   | 4.5                                   |              |              |
|       | 1         | /gi=20070182 /ug=Hs.111039                                    | ]                                     | , ,          |              |
| 6262  | 0.000500  | /len=4912   | NIM 016094                            | Hs.25829     | ND 057169    |
| 6363  | 0.000508  | RAS, dexamethasone-induced 1                                  | NM_016084                             | JUS.50958    | NP_057168    |
| ļ     |           | (RASD1), mRNA /cds=(213,1058)                                 |                                       | 1            | ,            |
|       | , ,       | /gb=NM_016084 /gi=22027484                                    |                                       | 2            |              |
| L     | L         | /ug=Hs.25829 /len=1758  | L                                     | 1            | 1            |

|           |          | nding To Differentially Expressed G n    |                                       |              | · · · · · · · · · · · · · · · · · · · |
|-----------|----------|--|---------------------------------------|--------------|---------------------------------------|
| Spot      | p-value  | Description                              | Gene                                  | Unigene      | Protein                               |
| ,         |          |  | Accession No.                         | Accession    | Accession                             |
|           |          |  |                                       | No.          | No.                                   |
| 6367      | 0.002096 | growth arrest-specific 1 (GAS1), mRNA    | NM 002048                             | Hs 65029     | NP 002039                             |
|           |          | /cds=(411,1448) /gb=NM_002048            | , III <u>G</u>                        |              |                                       |
|           |          | /gi=4503918 /ug=Hs.65029 /len=2828       |                                       |              | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|           |          | /gi=43039 to /dg=119.00029 /iei1=2020    |                                       |              |                                       |
| 6202      | 0.005044 | C400 - alaine biadina analain AC         | NIM OddCOd                            | 11- 075040   | ND OFF400                             |
| 6383      | 0.025911 | S100 calcium binding protein A6          | NM_014624                             | Hs.275243    | NP_055439                             |
|           |          | (calcyclin) (S100A6), mRNA               |                                       |              |                                       |
|           | ا سي، ه  | /cds=(103,375) /gb=NM_014624             |                                       | 1            |                                       |
|           |          | /gi=9845517 /ug=Hs.275243 /len=470       | · · · · · · · · · · · · · · · · · · · |              |                                       |
| 6403      | 0.003947 | glyceronephosphate O-acyltransferase     | NM_014236                             | Hs.12482     | NP_055051                             |
|           | 77 74 17 | (GNPAT), mRNA /cds=(158,2200)            |                                       | ·            |                                       |
| 21        |          | /gb=NM_014236 /gi=7657133                |                                       |              | *                                     |
| . *       | ÷-       | /ug=Hs.12482 /len=2470                   |                                       | * *          |                                       |
| 6405      | 0.007807 | cyclic AMP-regulated phosphoprotein      | AF112220                              |              | NP_057384                             |
| <b></b> . |          | (90% match)                              |                                       | '            |                                       |
| 6406      | 0.015805 | cleavage stimulation factor, 3' pre-RNA, | NM 001326                             | Hs.180034    | NP_001317                             |
| טטיייב    | 0.012093 |  | 1414 OC 1320                          | 11.15.100034 | INE_001317                            |
|           | . Aγν    | subunit 3, 77kDa (CSTF3), mRNA           |                                       |              | *                                     |
|           |          | /cds=(132,2285) /gb=NM_001326            |                                       | -            |                                       |
|           | ,        | /gi=4557494 /ug=Hs.180034 /len=2766      | - 3                                   | *            |                                       |
|           |          |  |                                       |              |                                       |
| 6407      | 0.005325 | hypothetical protein LOC51244            | NM_016474                             | Hs.158006    | NP_057558                             |
|           |          | (LOC51244), mRNA /cds=(340,1233)         |                                       |              |                                       |
|           |          | /gb=NM_016474 /gi=24475969               |                                       |              |                                       |
|           |          | /ug=Hs.158006 /len=1614                  |                                       |              |                                       |
| 6411      | 0.00587  | tubulin, gamma complex associated        | NM 006322                             | Hs.9884      | NP 006313                             |
| J ' ' '   | 0.0000   | protein 3 (TUBGCP3), mRNA                | , <u>_</u> 0000 <u>2</u> 2            | 1.0.000      |                                       |
| 1.1       | 11 A     | /cds=(85,2808) /gb=NM_006322             | garania, no se m                      |              |                                       |
|           | V.       |  |                                       |              | ,                                     |
| C440      | 0.000047 | /gi=5453659 /ug=Hs.9884 /len=3795        | NIA 044705                            | 11- 440440   | NO OSSSOO !                           |
| 6412      | 0.003947 | KIAA0716 gene product (KIAA0716),        | NM_014705                             | Hs.118140    | NP_055520                             |
| . 3       |          | mRNA /cds=(192,2489)                     |                                       |              | i i                                   |
|           |          | /gb=NM_014705 /gi=7662263                |                                       |              |                                       |
|           | _        | /ug=Hs.118140 /len=4652                  | ,                                     |              | * *                                   |
| 6419      | 6.56E-04 | RNA helicase family (RNAH), mRNA         | NM_006828                             | Hs.48295     | NP_006819                             |
|           |          | /cds=(39,6647) /gb=NM_006828             | *                                     |              |                                       |
|           |          | /gi=24307916 /ug=Hs.48295 /len=7315      |                                       |              |                                       |
|           | 4.       |  |                                       |              |                                       |
| 6443      | 0.025911 | Mlx interactor (MONDOA), mRNA            | NM_014938                             | Hs.52081     | NP_055753                             |
| . ,0      | 0.020011 | /cds=(153,1733) /gb=NM 014938            | 1, 1, 1, 2, 0                         | 1.10.02001   | -000,00                               |
|           |          | /gi=7662347 /ug=Hs.52081 /len=4339       |                                       |              |                                       |
| 6490      | 0.002602 |  | NM_016441                             | He 10200     | NP 057525                             |
| 6480      | 0.002002 | cysteine-rich motor neuron 1 (CRIM1),    |                                       | Hs.19280     | INF_05/525                            |
|           |          | mRNA /cds=(40,3150) /gb=NM_016441        |                                       | - "          |                                       |
| 0         |          | /gi=10092638 /ug=Hs.19280 /len=5601      |                                       |              |                                       |
|           |          |  |                                       |              | ' '                                   |
| 6485      | 0.020388 | serologically defined colon cancer       | NM_006642                             | Hs.300642    | NP_006633                             |
|           |          | antigen 8 (SDCCÁG8), mRNA                |                                       |              |                                       |
|           |          | /cds=(1,2142) /gb=NM_006642              |                                       | ]            |                                       |
|           |          | /gi=28269671 /ug=Hs.300642               | ·                                     |              |                                       |
|           |          | r  | i                                     |              | at a second                           |

|      |          | nding To Differentially Express d Gen      |               |                 | Duck-1-   |
|------|----------|--|---------------|-----------------|-----------|
| Spot | p-value  | Description                                | Gene          | Unigene         | Protein   |
|      |          |  | Accession No. | Accession       | Accession |
| 2    |          |  | 1111 505040   | No.             | No.       |
| 6515 | 0.014599 | defensin, beta 1 (DEFB1), mRNA             | NM_005218     | Hs.32949        | NP_005209 |
| '    |          | /cds=(72,278) /gb=NM_005218                |               | * <sub>N</sub>  | Ŧ         |
|      |          | /gi=13124884 /ug=Hs.32949 /len=366         | 7             | er: De ee ee ee |           |
| 6519 | 0.006463 | eukaryotic translation initiation factor   | NM_015636     | Hs.169474       | NP_056451 |
|      | ,        | 2B, subunit 4 delta, 67kDa (EIF2B4),       |               |                 |           |
|      |          | transcript variant 1, mRNA                 |               |                 |           |
|      |          | /cds=(20,1588) /gb=NM_015636               | *             |                 |           |
|      |          | /gi=26986531 /ug=Hs:169474                 |               |                 |           |
|      |          | /len=1643                                  |               |                 |           |
| 6531 | 0.040751 | development and differentiation            | NM_003887     | Hs.12802        | NP_003878 |
|      |          | enhancing factor 2 (DDEF2), mRNA           |               |                 | _         |
|      |          | /cds=(341,3361) /gb=NM_003887              |               | -               | ,         |
|      |          | /gi=4502248 /ug=Hs 12802 /len=5711         |               |                 |           |
| 6536 | 0.03788  | synaptophysin-like protein (SYPL),         | NM_006754     | Hs.80919        | NP 006745 |
| 2230 | 0.03700  | mRNA /cds=(34,813) /gb=NM_006754           |               | 1.10.00010      |           |
|      |          | /gi=5803184 /ug=Hs.80919 /len=2130         |               |                 | y         |
| :    |          | /gi-0005104 /ug-ns.00919 /len-2130         |               |                 |           |
| CEAA | 0.040754 | matrix matallannatai                       | NM 005940     | Hs.155324       | NP 005931 |
| 6544 | 0.040751 | matrix metalloproteinase 11                | ไทเท_บบอย4ุบ  | ITS. 100324     | 1005931   |
|      |          | (stromelysin 3) (MMP11), mRNA              |               | 0.              |           |
|      |          | /cds=(23,1489) /gb=NM_005940               |               | l e             | (         |
|      |          | /gi=13027795 /ug=Hs:155324                 |               |                 |           |
|      |          | /len=2260                                  |               |                 |           |
| 6545 | 0.040751 | low molecular mass ubiquinone-binding      | NM_014402     | Hs.3709         | NP_055217 |
|      |          | protein (9.5kD) (QP-C), nuclear gene       |               |                 |           |
| •    | No.      | encoding mitochondrial protein, mRNA       |               |                 |           |
|      |          | /cds=(37,318) /gb=NM_014402                | " (c          |                 | ł         |
|      | F 4      | /gi=27894387 /ug=Hs.3709 /len=388          |               | , ,             |           |
|      |          |  |               |                 |           |
| 6547 | 0.030249 | sorting nexin 6 (SNX6), transcript         | NM_021249     | Hs.284291       | NP_689419 |
|      |          | variant 1, mRNA /cds=(498,1370)            |               | }               |           |
|      |          | /gb=NM 021249 /gi=23111048                 |               | į.              |           |
| 123  |          | /ug=Hs.284291 /len=3041                    |               |                 |           |
| 6549 | 0.003563 | catenin (cadherin-associated protein),     | NM_001903     | Hs.177556       | NP 001894 |
|      |          | alpha 1, 102kDa (CTNNA1), mRNA             | ,             | ,               |           |
|      |          | /cds=(5,2728) /gb=NM_001903                | 7             | 1               |           |
|      |          | /gi=4503126 /ug=Hs 177556 /len=3454        |               |                 | 100       |
|      | ,        | /gr 1000 120 /ug 110 /1 / 000 /lair 0 /u / |               |                 |           |
| 6559 | 0 002803 | kinesin-associated protein 3 (KIFAP3),     | NM 014970     | Hs.171374       | NP_055785 |
| 0000 | 0.002033 | mRNA /cds=(272,2650)                       | 11111_0170    | 1.13 10         |           |
|      | 1        | /gb=NM 014970 /gi=18105053                 | - T           |                 |           |
|      |          |  | <b>.</b>      |                 |           |
| CECC | 0.044000 | /ug=Hs.171374 /len=2997                    | NIM 000549    | Hs.90303        | NP_066400 |
| 6569 | 0.017238 | tuberous sclerosis 2 (TSC2), transcript    | NM_000548     | เมราลดวกว       | NF_000400 |
|      |          | variant 1, mRNA /cds=(19,5442)             |               |                 |           |
|      | 1        | /gb=NM_000548 /gi=10938006                 |               |                 |           |
|      |          | /ug=Hs.90303 /len=5543                     | 1             |                 |           |
|      | <u> </u> | <b></b>                                    |               | <u> </u>        | I         |
| 6571 | 0.005325 | KIAA0433 protein (KIAA0433), mRNA          | NM_015216     | Hs.26179        | NP_056031 |
|      |          | /cds=(510,4241) /gb=NM_015216              |               |                 |           |
|      | 1 '      | /gi=7662117 /ug=Hs.26179 /len=5814         | 1             |                 | 1         |

|              |          | nding To Differentially Expressed Gen                |   |                                       |             |
|--------------|----------|--|---|---------------------------------------|-------------|
| Spot         | p-value  | Description  | G ne                                    | Unigene                               | Protein     |
| 1            | ,        |  | Accession No.                           | Accession                             | Accession   |
| 4-1          |          |  |   | No.                                   | No.         |
| 6575         | 0.030249 | epidermal growth factor receptor                     | NM_004447                               | Hs.2132                               | NP_004438   |
| •            |          | pathway substrate 8 (EPS8), mRNA                     |   |                                       |             |
|              |          | /cds=(210,2678) /gb=NM_004447                        | 100                                     |                                       |             |
|              |          | /gi=4758295 /ug=Hs 2132 /len=3832                    |   |                                       |             |
| 6578         | 0.017288 | tumor protein p53 (Li-Fraumeni                       | NM 000546                               | Hs.1846                               | NP 000537   |
| 0370         | 0.017288 |  | 14M_00034Q                              | 115. 1040                             | 141-000337  |
|              |          | syndrome) (TP53), mRNA                               | ,                                       |                                       |             |
|              |          | /cds=(252,1433) /gb=NM_000546                        |   |                                       |             |
| 11-4-        |          | /gi=8400737 /ug=Hs.1846 /len=2629                    | V                                       |                                       |             |
| 6589         | 0.003213 | cytochrome c, somatic (CYCS), mRNA                   | NM_018947                               | Hs.169248                             | NP_061820   |
|              |          | /cds=(61,378) /gb=NM_018947                          |   |                                       | . * .       |
|              |          | /gi=21361707 /ug=Hs.169248                           | 1 .                                     |                                       | -           |
|              |          | /len=3990  | *                                       |                                       | 1           |
| 6646         | 0.020388 | protein phosphatase 1, regulatory                    | NM 002480                               | Hs.16533                              | NP 002471   |
|              |          | (inhibitor) subunit 12A (PPP1R12A),                  |   |                                       |             |
|              |          | mRNA /cds=(1,3093) /gb=NM_002480                     | )/-                                     |                                       |             |
|              | -0       | /gi=4505316 /ug=Hs.16533 /len=4613                   |   |                                       |             |
| •            |          | /g =40000   0 /ug=    3.   0000 / e  =40   0         | 1/0                                     | *                                     | *           |
| 6653         | 0.004925 | rikanamal protain \$27                               | NM 001030                               | Un 105452                             | NP 001021   |
| 0003         | 0.004625 | ribosomal protein S27                                | 14141_001030                            | Hs.195453                             | NP_001021   |
|              | .00      | (metallopanstimulin 1) (RPS27), mRNA                 |   |                                       | 1           |
|              |          | /cds=(36,290) /gb=NM_001030                          | in the                                  |                                       |             |
|              |          | /gi=15011937 /ug=Hs.195453 /len=344                  |   | S                                     |             |
|              |          |  |   |                                       | 194.        |
| 6654         | 0:010277 | pM5 protein (PM5), mRNA                              | NM_014287                               | Hs.439182                             | NP_055102   |
|              |          | /cds=(1,3669) /gb=NM_014287                          |   |                                       |             |
|              | 1.       | /gi=10947030 /ug=Hs.439182                           |   |                                       | -           |
|              | *        | /len=4182  | 3                                       |                                       | :           |
| 6663         | 0.020388 | PRO0461 protein (PRO0461), mRNA                      | NM 031268                               | Hs.25063                              | 1.0         |
| ĢOOO         | 0.02000  | /gb=NM_031268 /gi=20588827                           | 11111_001200                            | 113.20009                             |             |
|              | j . ·    |  | * | j .                                   |             |
| CC70         | 0.00700  | /ug=Hs.25063 /len=1100                               | NIM 000704                              | 115 470004                            | ND 002752   |
| 6678         | 0.03788  |  | NM_003761                               | Hs.172684                             | NP_003752   |
|              |          | (endobrevin) (VAMP8), mRNA                           |   |                                       | ]           |
|              | 1        | /cds=(54,356) /gb=NM_003761                          |   |                                       |             |
|              |          | /gi=14043025 /ug=Hs.172684 /len=702                  |   |                                       | * *         |
|              |          |  |   |                                       |             |
| 6682         | 0.035177 | hypothetical protein FLJ12442                        | NM_022908                               | Hs.84753                              | NP_075059   |
|              | Ì        | (FLJ12442), mRNA /cds=(412,1974)                     | ***                                     |                                       | 1           |
|              | 14.0     | /gb=NM_022908 /gi=12597652                           |   | ,                                     | ]           |
| ,            | ,        | /ug=Hs.84753 /len=2057                               |   | J.:                                   | · /.        |
| 6695         | 0.043799 | histidine triad nucleotide binding protein           | NM 005340                               | Hs.256697                             | NP_005331   |
| JQJJ         | 0.040133 | 11 (HINT1), mRNA /cds=(108,488)                      | 1.1.01_000040                           | 13.200037                             | 1.110000001 |
|              |          |  |   |                                       |             |
|              |          | /gb=NM_005340 /gi=4885412                            |   |                                       | 1           |
| *            | Į.       | 1/ 11. 050007 // . :044                              |   |                                       |             |
|              |          | /ug=Hs.256697 /len=641                               |   | · · · · · · · · · · · · · · · · · · · |             |
| 6701         | 0.005325 | inositol 1,4,5-triphosphate receptor,                | NM_002223                               |                                       |             |
| 6701         |          | inositol 1,4,5-triphosphate receptor, type 2 (ITPR2) |   |                                       |             |
| 6701<br>6702 |          | inositol 1,4,5-triphosphate receptor,                | NM_002223<br>AB002308                   | Hs.5716                               |             |
|              |          | inositol 1,4,5-triphosphate receptor, type 2 (ITPR2) |   | Hs.5716                               |             |

|       |            | nding To Diff rentially Expressed Gen    |                           |               |                                       |
|-------|------------|--|---------------------------|---------------|---------------------------------------|
| Spot  | p-value    | Description                              | Gene                      | Unigene       | Protein                               |
|       |            |  | Accession No.             | Accession     | Accession                             |
| - 1   |            |  |                           | No.           | No                                    |
| 6703  | 8.37E-04   | nuclear phosphoprotein similar to S.     | NM_007062                 | Hs.172589     | NP 008993                             |
|       |            | cerevisiae PWP1 (PWP1), mRNA             | -                         |               |                                       |
|       |            | /cds=(88,1593) /gb=NM_007062             |                           |               | · · · · · · · · · · · · · · · · · · · |
| _     |            | /gi=5902033 /ug=Hs.172589 /len=1853      | •                         | 0             |                                       |
|       |            | /gi=5902033 /ug=HS.172569 /ien=1653      |                           | . ,           |                                       |
|       | 50 0000 JE |  | 1114 004004               | 11. 00047     | ND 004075                             |
| 6706  | 0.023945   | adaptor-related protein complex 3,       | NM_001284                 | Hs.80917      | NP_001275                             |
|       |            | sigma 1 subunit (AP3S1), mRNA            | ·                         | **            | }                                     |
|       | - "        | /cds=(86,667) /gb=NM_001284              |                           | <u>.</u>      | · .                                   |
| 5 3 4 |            | /gi=4502860 /ug=Hs.80917 /len=1271       |                           |               |                                       |
| 6710  | 0.001339   | clone 23611 mRNA sequence                | AF035311                  | Hs.365646     |                                       |
|       |            | /gb=AF035311 /gi=2661073                 |                           |               | +                                     |
|       |            | /ug=Hs.365646 /len=2146                  |                           | *             |                                       |
| 6713  | 0.025911   | cDNA FLJ23648 fis, clone COL04718.       | AK074228                  | Hs.375782     |                                       |
| 97 13 | 0.020011   | /gb=AK074228 /gi=18676772                | , 11.01 <del>1</del> 220  | 11.0.07.07.02 |                                       |
|       | *          | ı · · · · · · · · · · · · · · · · · · ·  | * .                       | ": 1          |                                       |
| 0715  | 0.000000   | /ug=Hs.375782 /len=2295                  | 1114 04 4700              | 11- 54655     | ND 055505                             |
| 6715  | 0.020388   | KIAA0076 gene product (KIAA0076),        | NM_014780                 | Hs.51039      | NP_055595                             |
|       | }          | mRNA /cds=(87,5183) /gb=NM_014780        |                           |               |                                       |
|       |            | /gi=7661893 /ug=Hs.51039 /len=5253       | - 0                       |               |                                       |
|       |            |  |                           |               |                                       |
| 6716  | 0.014599   | ribosomal protein L21 (RPL21), mRNA      | NM_000982                 | Hs.431927     | NP_000973                             |
| 1 .   | ,          | /cds=(30,512) /gb=NM_000982              | _                         |               | _                                     |
|       |            | /gi=18104947 /ug=Hs.431927 /len=568      |                           | (0)           | *                                     |
|       |            | 9  |                           |               |                                       |
| 6718  | 0.425.04   | nucleoporin 210 (NUP210), mRNA           | NM 024923                 | Hs.270404     | NP 079199                             |
| 07 10 | 9.436-04   |  | INIVI_U24323              | 1115.270404   | MF_0/3133 .                           |
|       |            | /cds=(84,5747) /gb=NM_024923             |                           | 1             |                                       |
|       |            | /gi=27477133 /ug=Hs.270404               | *                         |               |                                       |
|       |            | /len=7191                                | *                         |               |                                       |
| 6742  | 0.002337   | septin 6 (SEPT6), transcript variant II, | NM_015129                 | Hs.90998      | NP_665801                             |
|       |            | mRNA /cds=(257,1561)                     |                           | Δ.            | 1                                     |
|       | ( ·        | /gb=NM_015129 /gi=22035575               |                           |               |                                       |
|       |            | /ug=Hs.90998 /len=2686                   |                           |               |                                       |
| 6744  | 0.003213   | ribosomal protein, large, P0 (RPLP0),    | NM 053275                 | Hs.406511     | NP 444505                             |
|       |            | transcript variant 2, mRNA               | (201 <del>1년</del> 기계전 기계 |               | : <del>-</del> : : : - :              |
|       | :          | /cds=(111,1064) /gb=NM_053275            | 1                         |               | 1                                     |
|       |            |  |                           |               | 100                                   |
|       |            | /gi=16933545 /ug=Hs.406511               |                           |               |                                       |
|       |            | /len=1148                                |                           | 1. 252.15     |                                       |
| 6749  | 0.020388   | histidyl-tRNA synthetase 2 (HARS2),      | NM_080820                 | Hs.352419     | NP_543010                             |
|       |            | mRNA /cds=(111,752) /gb=NM_080820        | Į                         |               |                                       |
|       | 1          | /gi=21361784 /ug=Hs.352419               |                           |               |                                       |
|       |            | /len=2396                                |                           |               |                                       |
| 6750  | 0.032636   | ADP-ribosylation-like factor 6           | NM 016638                 | Hs.103561     | NP 061164                             |
|       |            | interacting protein 4 (ARL6IP4), mRNA    | _                         |               | _                                     |
|       | <b>i</b> ' | /cds=(63,719) /gb=NM_016638              |                           |               |                                       |
|       | -1         | /gi=7706183 /ug=Hs.103561 /len=952       | 1                         |               |                                       |
|       |            | /g -//00105/uy-HS.105501/leff=952        | Į.                        | 1             | 1                                     |
| 0755  | 0.00055    | 1200                                     | 1000000                   |               | ND 000 100                            |
| 6756  | I U.UU8566 | KIAA1197 protein, partial cds            | AB033023                  |               | NP 060493                             |

| Genes  | Correspon                               | nding To Differentially Expressed Gen   | es in Figure 20 -   | RA          |             |
|--------|---|---|---------------------|-------------|-------------|
| Spot   | p-value                                 | Description                             | Gene                | Unigene     | Protein     |
|        |   |   | Accession No.       | Accession   | Accession   |
| :      |   |   | -                   | No.         | No.         |
| 6770   | 0.018784                                | FK506 binding protein 1A, 12kDa         | NM 000801           | Hs.380080   | NP 463460   |
|        |   | (FKBP1A), transcript variant 12B,       |                     | 1           | _           |
|        |   | mRNA /cds=(104,430) /gb=NM 000801       | ***** <b>**</b> *** | f           |             |
|        | ·                                       | /gi=17149837 /ug=Hs.380080              | *                   | ·           |             |
|        | A ST                                    | /len=1578                               | •                   | *           |             |
| 6771   | 0.007107                                | surfeit 6 (SURF6), mRNA                 | NM_006753           | Hs.274430   | NP 006744   |
|        | 3.33., 7.3.                             | /cds=(56,1141) /gb=NM_006753            |                     | 1.0.27      | 141 _0007   |
| 4      |   | /gi=19557701 /ug=Hs.274430              |                     |             | -           |
|        |   | /len=2329                               |                     |             |             |
| 6816   | 0.014599                                | oxysterol binding protein 1 (OSBP1)     | ΔF185705            | 1           |             |
| 0010   | 0.01.4000                               | gene, exons 13 and 14, and complete     | 171 100700          | *           |             |
| 4 (2)  |   | cds                                     |                     |             | ."          |
| 6825   | 0.040754                                | hypothetical protein MGC4400            | NM_032679           | Hs.130891   | ND 116069   |
| 0023   | 0.040731                                | (MGC4400), mRNA /cds≈(381,1817)         | 14141 035018        | 119.130091  | NP_116068   |
|        |   |   |                     |             |             |
| ×      |   | /gb=NM_032679 /gi=14249251              |                     |             |             |
| C046   | 0.005044                                | /ug=Hs.130891 /len=3067                 | NIA 002400          | 11- 7540    | ND 000000   |
| 6846   | 0.025911                                | mitogen-activated protein kinase kinase | NM_003188           | Hs.7510     | NP_663306   |
|        |   | kinase 7 (MAP3K7), transcript variant   | y -                 | X.          |             |
|        |   | A, mRNA /cds=(306,2045)                 | x(0)                | 8.          |             |
|        |   | /gb=NM_003188 /gi=21735560              |                     |             |             |
|        | 2 | /ug=Hs.7510 /len=2912                   |                     |             |             |
| 6847   | 0.012276                                | tropomodulin 3 (ubiquitous) (TMOD3),    | NM_014547           | Hs.22826    | NP_055362   |
| 97     | in .                                    | mRNA /cds=(66,1124) /gb=NM_014547       |                     |             |             |
| 1      |   | /gi=7657648 /ug=Hs.22826 /len=2072      |                     |             | 000         |
|        | * * *                                   |   | <u> </u>            |             |             |
| 6854   | 7.41E-04                                | mRNA; cDNA DKFZp434H1235 (from          | AL122071            | Hs.238927   |             |
|        |   | clone DKFZp434H1235); partial cds       | ,                   |             |             |
| , i    |   | /cds=(1,476) /gb=AL122071               |                     |             |             |
|        |   | /gi=6102868 /ug=Hs 238927 /len=2499     |                     |             |             |
|        |   |   |                     |             |             |
| 6862   | 0.003563                                | golgi apparatus protein 1 (GLG1),       | NM 012201           | Hs.78979    | NP 036333   |
| *      | 1                                       | mRNA /cds=(27,3560) /gb=NM_012201       | _                   |             | <del></del> |
|        | -2 - 1                                  | /gi=6912389 /ug=Hs 78979 /len=3909      |                     | ;<br>[      |             |
|        | *                                       |   |                     |             |             |
| 6875   | 0.040751                                | cDNA FLJ12924 fis, clone                | AK022986            | Hs.38034    |             |
|        |   | NT2RP2004709. /gb=AK022986              |                     | 1           | - X =       |
|        |   | /gi=10434694 /ug=Hs.38034 /len=2667     |                     | *           |             |
|        |   | × × × × × × × × × × × × × × × × × × ×   |                     |             |             |
| 6877   | 0.001339                                | hypothetical protein FLJ22625           | NM_024715           | Hs.106534   | NP_078991   |
|        | 3.22.000                                | (FLJ22625), mRNA /cds≈(694,1776)        | 02.77.10            | 1           |             |
| F      |   | /gb=NM_024715 /gi=21362011              |                     |             |             |
| ,      | امری                                    | /ug=Hs.106534 /len=2747                 |                     |             | 1           |
| 6897   | 0.035177                                | FLJ14613 fis, clone NT2RP1001113,       | AK027519            | Hs.105509   | ND 065161   |
| . 1600 | 0.000177                                |   | VV051218            | 1118.100009 | NP_065161   |
|        |   | highly similar to Homo sapiens CTL2     |                     |             |             |
|        |   | gene /cds=UNKNOWN /gb=AK027519          |                     |             | }           |
| ;      |   | /gi=14042254 /ug=Hs:105509              |                     |             |             |
|        |   | /len=3310                               | <u> </u>            | t           |             |

|          |          | nding To Differentially Expressed Gen  |               |              |                 |
|----------|----------|--|---------------|--------------|-----------------|
| Spot     | p-value  | Description  | Gene          | Unigene      | Protein         |
|          | ,        |  | Accession No. | Accession    | Accession       |
|          |          |  |               | No.          | No.             |
| 6916     | 0.040751 | cDNA FLJ11174 fis, clone   | AK002036      | Hs.24359     |                 |
|          |          | PLACE1007367. /gb=AK002036   | . :-          |              | ·               |
|          |          | /gi=7023674 /ug=Hs.24359 /len=2285   |               |              |                 |
| 6920     |          | thioredoxin (TXN), mRNA  | NM 003329     | Hs.432922    | NP 003320       |
| -        |          | /cds=(64,381) /gb=NM_003329  |               |              | <del>-</del>    |
|          |          | /gi=4507744 /ug=Hs.432922 /len=501   |               |              |                 |
| 6921     | 0.007807 | drebrin 1 (DBN1), transcript variant 2,  | NM 080881     | Hs.89434     | NP_543157       |
| 0027     | 0.007007 | mRNA /cds=(611,2566)   | ,,,,,         | 1,10.00-70 7 |                 |
|          |          | /gb=NM_080881 /gi=18426912   |               |              | *               |
| - ,, - , | - 3      | /ug=Hs.89434 /len=3383   |               |              |                 |
| 6931     | 0.000300 | Mov10, Moloney leukemia virus 10,  | NM 020963     | Hs.20725     | NP 066014       |
| 0931     | 0.009366 |  | 14101_020903  | П5.20725     | INF_000014      |
|          | 1 × 4 +  | (mouse) (MOV10), mRNA  |               |              |                 |
|          | )        | /cds=(71,3082) /gb=NM_020963   |               | 00           |                 |
| ,.       |          | /gi=14211539 /ug=Hs.20725 /len=3328  | -             |              | . *             |
|          |          |  |               |              | 110 000 000     |
| 6941     | 0.032636 | SWI/SNF related, matrix associated,  | NM_003075     | Hs.236030    | NP_620706       |
|          |          | actin dependent regulator of chromatin,  |               |              |                 |
|          |          | subfamily c, member 2 (SMARCC2),   |               |              |                 |
|          |          | transcript variant 1, mRNA   |               |              |                 |
|          |          | /cds=(33,3677) /gb=NM_003075   |               | - 70         | 1               |
|          | *        | /gi=21237804 /ug=Hs.236030   |               | 1.           |                 |
|          | •        | /len=4039  | **            |              |                 |
| 6942     | 0.002337 | eukaryotic translation elongation factor   | NM 001402     | Hs.422118    | NP 001393       |
|          | 8        | 1 alpha 1 (EEF1A1), mRNA   | _             |              |                 |
|          | e .      | /cds=(63,1451) /gb=NM_001402   |               |              | i i             |
| ٠        | ,        | /gi=25453469 /ug=Hs.422118   |               |              |                 |
|          |          | /len=1837  |               |              |                 |
| 6951     | 0.047031 | DKFZP434B103 protein   | NM 015644     | Hs.355920    | NP 056459       |
| 0001     | 0.047031 | (DKFZP434B103), mRNA   | 11111_010011  | 110,000020   | 1111 _000 100 1 |
| ·        |          | /cds=(892,1950) /gb=NM_015644  |               |              |                 |
|          |          | /gi=7661563 /ug=Hs.355920 /len=2553  |               | <u>_</u>     |                 |
|          |          | rgi-100 1003 /ug-ris.300920 /ieii-2003   | ne e          | • •          |                 |
| C004     | 0:000000 | Equiphetic like 2 (accepted altreametric)  | NIM ODERED    | Ho 422927    | ND OCESE1       |
| 6984     | 0.032030 | follistatin-like 3 (secreted glycoprotein)   | DOOCOO_ININI  | Hs.433827    | NP_005851       |
|          |          | (FSTL3), mRNA /cds=(8,799)   |               | į ·          |                 |
|          |          | /gb=NM_005860 /gi=5031700  |               |              |                 |
|          | 7        | /ug=Hs.433827 /len=2500  |               |              |                 |
|          | 2.5.2.   | the state of the s |               |              | L               |
| 6989     | 0.032636 | transmembrane 9 superfamily member   | NM_006405     | Hs.91586     | NP_006396       |
| ×        | 1        | 1 (TM9SF1), mRNA /cds=(35,1855)  |               |              |                 |
|          |          | /gb=NM_006405 /gi=21361314   |               | J            |                 |
| 74       |          | /ug=Hs.91586 /len=2138   |               |              |                 |
|          |          |  |               |              | <u> </u>        |
| 7010     | 0.002565 | hypothetical protein MGC32043  | NM_144582     | Hs.226138    | NP_653183       |
|          |          | (MGC32043), mRNA /cds=(8,457)  |               | į.           |                 |
|          |          | /gb=NM 144582 /gi=21389354   |               | 1            | 1               |
|          |          | 1/QD=NVI 144302 /QI=23303334   |               |              |                 |

| Spot   |           | nding To Differentially Expressed Gen                                |                 | 11-1        | D. A. C. Y                |
|--|-----------|--|-----------------|-------------|---------------------------|
|  | p-value   | Description  | Gene            | Unigene     | Protein                   |
| 1  | ,         |  | Accession No.   | Accession   | Accession                 |
|  |           |  |                 | No.         | No.                       |
| 7022   | 0.004367  | ribosomal protein S29 (RPS29), mRNA                                  | NM_001032       | Hs.539      | NP_001023                 |
|  |           | /cds=(31,201) /gb=NM_001032  | <del>.</del>    |             |                           |
|  |           | /gi=13904868 /ug=Hs.539 /len=346                                     |                 |             |                           |
|  | . 10      |  |                 |             | . ,                       |
| 7038   | 0.040751  | tubulin, alpha, ubiquitous (K-ALPHA-1),                              | NM 006082       | Hs.334842   | NP 006073                 |
| 7000   | 0.040101  | mRNA /cds=(68,1423) /gb=NM_006082                                    |                 | 113.334042  | 14000070                  |
|  |           | /gi=5174476 /ug=Hs.334842 /len=1596                                  | [+* · * ]       |             | 10                        |
| . ]  |           | /gi=51/44/6/ug=ns.554642/ieii=1596                                   |                 |             |                           |
| 70'40'                                       | 0.000400  | BAKO BAKA  | 45000400        | 11. 004075  |                           |
| 7040   | 0.006463  | PAK2 mRNA, complete cds  | AF092132        | Hs.284275   |                           |
|  |           | /cds=(218,1840) /gb=AF092132   | *               |             |                           |
| * *  |           | /gi=5138913 /ug=Hs.284275 /len=4137                                  |                 |             |                           |
| 1 .  |           |  |                 |             |                           |
| 7041   | 0.032636  | oxysterol binding protein-like 1A                                    | NM_080597       | Hs.252716   | NP_579802                 |
| 8  |           | (OSBPL1A), transcript variant  |                 |             |                           |
|  |           | OSBPL1B, mRNA /cds=(175,3027)  | *               |             |                           |
|  |           | /gb=NM_080597 /gi=19718740   |                 | *           | (B)                       |
| - 2  |           | /ug=Hs 252716 /len=4165  |                 |             |                           |
| 7046   | 0.040751  | mRNA for KIAA1013 protein, partial                                   | AB023230        | Hs.96427    |                           |
| 70.0   | 0.0.10701 | cds. /cds=(1,3189) /gb=AB023230                                      |                 | 1.10.00.127 |                           |
|  |           | /gi=4589675 /ug=Hs.96427 /len=4783                                   |                 | ***         |                           |
| 7050   | 0.020240  |  | NM 015571       | Hs.27197    | NP 056386                 |
| 7052   | 0.030249  | SUMO-1-specific protease (SUSP1),                                    | ו לכפו טבַואואו | IDS.27 197  | INP_020200                |
| . ,  | 7.2       | mRNA /cds=(1,3339) /gb=NM_015571                                     |                 |             | ÷ -                       |
|  | : '       | /gi=7662311 /ug=Hs.27197 /len=4210                                   |                 |             |                           |
| •  |           |  |                 |             |                           |
| 7083   | 0.018784  | chromosome 14 open reading frame 11                                  | NM_018453       | Hs.433269   | NP_060923                 |
|  |           | (C14orf11), mRNA /cds=(96,797)                                       |                 | *           |                           |
|  |           | /gb=NM_018453 /gi=8922092  |                 |             |                           |
| -  |           | /ug=Hs.433269 /len=1264  |                 |             | ·                         |
| 7092   | 0.022106  | chromosome condensation 1 (CHC1),                                    | NM_001269       | Hs.84746    | NP_001260                 |
|  |           | mRNA /cds=(287,1552)   | <del>-</del>    |             |                           |
| ノ トート  | - **      | /gb=NM_001269 /gi=20149512   |                 | 1           |                           |
|  | -         | /ug=Hs 84746 /len=2559   |                 |             |                           |
| 7111   | 0.012276  | hypothetical protein LOC51234  | NM 016454       | Hs 250905   | NP: 057538                |
|  | 0.07227.9 | (LOC51234), mRNA /cds=(72,623)                                       | 5 . 6 . 10 .    | 1.15.25000  |                           |
| `  | ·         | /gb=NM 016454 /gi=24475963   |                 | £ .         |                           |
|  |           | /ug=Hs.250905 /len=1013  |                 | 46.         |                           |
| 7115   | 0.012276  | microtubule-actin crosslinking factor 1                              | NM 012090       | Hs.108258   | NP 149033                 |
| 7115   | 0.012276  |  | NW_012090       | ПŞ. ĮU0250  | INP_149033                |
|  |           | (MACF1), transcript variant 1, mRNA                                  |                 |             |                           |
|  |           | /cds=(52,16344) /gb=NM_012090  |                 |             |                           |
| l l  |           | /gi=15011903 /ug=Hs.108258   |                 | *           |                           |
|  |           | /len=17532   |                 | ļ           |                           |
| <u>.                                    </u> |           |  | ININA 004 400   | Hs.422118   | NP_001393                 |
| 7142   | 0.011238  | eukaryotic translation elongation factor                             | NM_001402       | [FIS.422110 | 141 -00 1222              |
| 7142   | 0.011238  | eukaryotic translation elongation factor<br>1 alpha 1 (EEF1A1), mRNA | NIVI_001402     | FIS.422110  | 141 _00 1393              |
| 7142   | 0.011238  | 1 alpha 1 (EEF1A1), mRNA   | NIVI_001402     | FIS.422110  | ,.<br>  M. Too (292)      |
| 7142   | 0.011238  |  | NIM_001402      | M5.422110   | Nii _00 (395 <sub>(</sub> |

| <u>Genes</u> |          | nding To Differentially Expressed Gen     |               |                  |             |
|--------------|----------|---|---------------|------------------|-------------|
| Spot         | p-value  | Description                               | Gene          | Unig n           | Protein     |
| . 7          |          |   | Accession No. | Acc ssion        | Accession   |
|              | · -      |   |               | No.              | No.         |
| 7154         | 0.03788  | hypothetical protein FLJ22169             | NM 024085     | Hs.323363        | NP 076990   |
|              |          | (FLJ22169), mRNA /cds=(380,1720)          | 7             |                  |             |
|              |          | /gb=NM_024085 /gi=13129081                |               | 719.             |             |
| ·            |          | /ug=Hs.323363 /len=3509                   |               |                  |             |
| 7159         | 0.007807 | myosin, heavy polypeptide 3, skeletal     | NM 002470     | Hs.173084        | NP: 002461  |
| 1 123        | 0.007007 | muscle, embryonic (MYH3), mRNA            | 11111_002-110 | 113.770004       |             |
|              | . 1      | /cds=(85,5907) /gb=NM_002470              |               |                  |             |
|              |          | /gi=11342671 /ug=Hs.173084                |               |                  |             |
| 4.0          |          | /len=6032                                 |               | -                |             |
| 7163         | 0.012204 | KIAA0652 gene product (KIAA0652),         | NM 014741     | Hs.79672         | NP 055556   |
| 7 103        | 0.013394 |   | 14141         | 115.79072        | INI033330 - |
|              | -        | mRNA /cds=(309,1862)                      | *             |                  |             |
|              |          | /gb=NM_014741 /gi=7662225                 |               | *                | *           |
| 7470         | 0.000040 | /ug=Hs.79672 /len=4040                    | NINA COCCO    | LID 405500       | ND 000070   |
| 7170         | 0.003213 | ribosomal protein L27 (RPL27), mRNA       | NM_000988     | Hs.405528        | NP_000979   |
|              |          | /cds=(45,455) /gb=NM_000988               | *             |                  | 4.11        |
|              |          | /gi=17017972 /ug=Hs.405528 /len=513       |               | * - *            |             |
|              |          |   |               | 2 22 22 22 11 11 |             |
| 7175         | 0.03788  |   | BQ064669      | Hs.380699        |             |
|              |          | cDNA clone IMAGE:5926418 5', mRNA         |               |                  | 1 - 1       |
| ż.,          |          | sequence /clone=IMAGE:5926418             | **            |                  |             |
|              |          | /clone_end=5' /gb=BQ064669                |               |                  |             |
|              |          | /gi=19893520 /ug=Hş.380699 /len=969       |               |                  |             |
|              |          |   | 1 1 1 1 1 1   |                  | *           |
| 100          |          |   |               |                  |             |
| 7176         | 0.023945 | tumor protein, translationally-controlled | NM 003295     | Hs.401448        | NP 003286   |
|              |          | 1 (TPT1), mRNA /cds=(95,613)              |               |                  |             |
|              |          | /gb=NM_003295 /gi=4507668                 |               |                  |             |
|              |          | /ug=Hs.401448 /len=830                    |               |                  |             |
| 7177         | 0.032636 | aminomethyltransferase (glycine           | NM 000481     | Hs.102           | NP 000472   |
| 367          |          | cleavage system protein T) (AMT),         | -             | * 0              |             |
|              | 1        | mRNA /cds=(146,1357)                      |               |                  |             |
| × *          | ,        | /gb=NM_000481 /gi=4502082                 |               |                  |             |
| 4.5          |          | /ug=Hs.102 /len=2119                      |               | *                |             |
| 7193         | 0.022106 | heterogeneous nuclear                     | NM 031157     | Hs.376844        | NP 112420   |
| ., 133       | 0.022100 | ribonucleoprotein A1 (HNRPA1),            | 551107        | 1.10.07.0044     |             |
|              | 1 :      | transcript variant 2, mRNA                |               |                  | * .         |
|              |          | /cds=(105,1223) /gb=NM_031157             | 1.7           |                  |             |
| -<br>-       |          |   |               |                  |             |
| (            |          | /gi=14043069 /ug=Hs.376844                |               |                  | 5           |
| 7000         | 0.007007 | //en=1925                                 | NIM COCCCC    | Ha 206200        | ND 00000    |
| 7209         | 0.007807 | ribosomal protein L37a (RPL37A),          | NM_000998     | Hs.296290        | NP_000989   |
| -            |          | mRNA /cds=(36,314) /gb=NM_000998          |               | 1                | 1           |
|              |          | /gi=16306561 /ug=Hs.296290 /len=392       |               |                  |             |
|              |          |   | 1111 001010   | 111 400 400      | 110 001010  |
| 7210         | 0.047031 | dodecenoyl-Coenzyme A delta               | NM_001919     | Hs.403436        | NP_001910   |
| [            |          | isomerase (3,2 trans-enoyl-Coenzyme       |               | 1                | ·           |
|              |          | A isomerase) (DCI), mRNA                  | 1             |                  | 1           |
| }            | 1.1      | /cds=(9,917) /gb=NM_001919                | 1             |                  | 1           |
|              | T. ,     | /gi=4503266 /ug=Hs.403436 /len=1017       | 6             | 1                | 1.7         |
|              | 5        | 1/g/ 1000250 /dg 110. 100 150 /1011 101/  |               |                  | 1           |

|       |            | nding To Differentially Express d Gen                          |                                       |                      | Dratain              |
|-------|------------|--|---------------------------------------|----------------------|----------------------|
| Spot  | p-value    | Description  | Gene Accession No.                    | Unigene<br>Accession | Protein<br>Accession |
|       |            |  | Accession No.                         | No.                  | No.                  |
| 7222  | 0.032636   | REV3-like, catalytic subunit of DNA                            | NM_002912                             | Hs.115521            | NP_002903            |
|       |            | polymerase zeta (yeast) (REV3L),                               |                                       |                      |                      |
|       |            | mRNA /cds=(823,9981)   |                                       |                      |                      |
|       | •          | /gb=NM_002912 /gi=4506482                                      | * *                                   |                      |                      |
|       |            | /ug=Hs.115521 /len=10919                                       |                                       |                      |                      |
| 7227  | 0.015895   | cytidine monophosphate kinase CMP                              | AF259961                              |                      | NP_057392            |
|       | }          | mRNA, (≃UMP-CMP kinase   |                                       |                      |                      |
|       |            | (LOC51727))  |                                       |                      |                      |
| 7237  | 0.018784   | protein disulfide isomerase-related                            | NM_005742                             | Hs.182429            | NP_005733            |
|       |            | protein (P5), mRNA /cds=(95,1417)                              |                                       |                      | ,                    |
|       |            | /gb=NM_005742 /gi=5031972                                      |                                       |                      |                      |
| 7000  | 0.40= 0.4  | /ug=Hs.182429 /len=1882  | A F 24 0 2 2 2                        | Un 2020C7            |                      |
| 7238  | 9.43E-04   | pp11741 mRNA, complete cds                                     | AF318323                              | Hs.382867            |                      |
| •     |            | /cds=(1126,2058) /gb=AF318323                                  |                                       |                      |                      |
| ,     |            | /gi=18027737 /ug=Hs:382867<br>/len=3222                        |                                       |                      |                      |
| 7239  | 0.03798    | HNC58-1-D7.R cDNA /gb=BG928970                                 | BG928970                              | Hs.133898            | NP 694953            |
| 1239  | 0.03760    | /gi=14323493 /ug=Hs.133898 /len=683                            | DG920970                              | 1113.133030          | 141 _054555          |
|       |            | /gi= 14323493 /dg=113. 133090 /ieii=003<br>                    |                                       |                      |                      |
| 7241  | 0.00587    | likely ortholog of mouse guanine                               | NM 018049                             | Hs.173739            | NP 060519            |
|       | 0.000.     | nucleotide releasing protein x                                 |                                       |                      | 7                    |
|       |            | (GNRPX), mRNA /cds=(82,531)                                    |                                       |                      |                      |
|       |            | /gb=NM_018049 /gi=8922332                                      |                                       |                      | - 1                  |
|       | 1          | /ug=Hs.173739 /len=1215  |                                       |                      |                      |
| 7245  | 0.00587    | cDNA FLJ90297 fis, clone                                       | AK074778                              | Hs.405809            |                      |
|       |            | NT2RP2000447, moderately similar to                            |                                       |                      |                      |
| , .   |            | GOLGIN-95. /cds=(333,728)                                      | ,                                     |                      |                      |
|       | *.         | /gb=AK074778 /gi=22760446                                      |                                       |                      |                      |
|       |            | /ug=Hs.405809 /len=2520  |                                       |                      | ļ                    |
| 7246  | 9.43E-04   | mRNA for FLJ00012 protein, partial                             | AK024423                              | Hs.21051             |                      |
|       | ,          | cds. /cds=(2618,3166) /gb=AK024423                             |                                       |                      | }                    |
| ٠٠.   | * , (      | /gi=10440354 /ug=Hs.21051 /len=4577                            | ,                                     |                      |                      |
| 70.47 | 0.00507    | humathatian ann 1 00400430                                     | NIM 420046                            | He 46020             | ND COSES             |
| 7247  | 0.00587    | hypothetical gene LOC128439                                    | NM_139016                             | Hs.16936             | NP_620585            |
|       |            | (LOC128439), mRNA /cds=(109,360)<br>/gb=NM 139016 /gi=20502979 |                                       |                      |                      |
|       | ,          |  | * * * * * * * * * * * * * * * * * * * |                      |                      |
| 7262  | 0.001102   | /ug=Hs.16936 /len=1526 LIM and senescent cell antigen-like     | NM_004987                             | Hs.112378            | NP 004978            |
| 1202  | 0.001193   | domains 1 (LIMS1), mRNA  | 14M 004901                            | 113.11237:0          | Jul _004978          |
| •     |            | /cds=(120,1097) /gb=NM_004987                                  | *                                     | *                    |                      |
|       |            | //gi=13518025 /ug=Hs.112378                                    | *                                     |                      |                      |
|       |            | /gi=133160237dg=115.112376<br> /len=1236                       |                                       |                      |                      |
| 7293  | 0.008566   | cDNA: FLJ21895 fis, clone HEP03439.                            | AK025548                              | Hs.99532             | <del></del>          |
|       | 1 0.000000 | 10014 " I FOT 1000 HS, GIOTIC HELL 00405"                      | 1, 1,0200,70                          | 1. 19.00002          | ar I                 |
| 1293  |            | /ab=AK025548 /ai=10438097                                      |                                       | 1.                   |                      |
| 1293  |            | /gb=AK025548 /gi=10438097<br>/ug=Hs.99532 /len=2049            |                                       |                      |                      |

|       |           | nding To Differentially Expressed Gen      |               |             |           |
|-------|-----------|--|---------------|-------------|-----------|
| Spot  | p-value   | Description                                | Gene          | Unigen      | Protein   |
|       | [         | * * * *                                    | Accession No. | Accession   | Accession |
|       |           |  |               | No.         | No.       |
| 7307  | 0.014599  | myeloid/lymphoid or mixed-lineage          | NM_018682     | Hs.333300   | NP_061152 |
|       |           | leukemia 5 (trithorax Drosophila)          |               |             |           |
|       |           | (MLL5), mRNA /cds=(202,5778)               | 9 4           |             |           |
|       | ]         | /gb=NM_018682 /gi=23503326                 |               |             |           |
| *     | ·         | /ug=Hs.333300 /len=6543                    |               | -           |           |
| 7322  | 0.004825  | BM-017 (=ALEX3)                            | AF208859      |             | NP 808817 |
| 7327  |           | tumor endothelial marker 6 (TEM6),         | NM 022748     | Hs.12210    | NP 073585 |
|       |           | mRNA /cds=(93,3710) /gb=NM_022748          | -             |             |           |
|       | · ·       | /gi=17511208 /ug=Hs.12210 /len=6702        |               |             |           |
|       |           | /gi=1/01/200/ag -1/0.122/0/1018/0/02       |               |             |           |
| 7328  | 0.014599  | basic leucine zipper and W2 domains 1      | NM 014670     | Hs.155291   | NP_055485 |
| , 020 | 5.5 17553 | (BZW1), mRNA /cds=(81,1340)                | 01,1070       | 1.13.133231 | 000400    |
| 12.   |           | /gb=NM_014670 /gi=7661849                  | <b>*</b>      |             |           |
| 1     |           | /ug=Hs.155291 /len=2998                    |               | 1           | - •       |
| 7343  | 0.042700  | hypothetical protein FLJ12619              | NM_030939     | Hs.7779     | NP_112201 |
| 1343  | 0.043799  |  |               | 1115.7779   |           |
| · E   |           | (FLJ12619), mRNA /cds=(539,1228)           | * * * *       |             |           |
|       |           | /gb=NM_030939 /gi=21359961                 |               |             | •         |
| 70.43 | 0.04075   | /ug=Hs.7779 /len=2444                      | NIN 005405    | 11. 7007    | ND 070474 |
| 7344  | 0.018784  | phosphoprotein regulated by mitogenic      | NM_025195     | Hs.7837     | NP_079471 |
|       |           | pathways (C8FW), mRNA                      | 30            |             |           |
|       |           | /cds=(274,1392) /gb=NM_025195              |               |             |           |
|       |           | /gi=13399327 /ug=Hs.7837 /len=3317         | - 1 to 1 to 1 |             |           |
| 7361  | 0.03788   | SWI/SNF related, matrix associated,        | NM_003072     | Hs.78202    | NP_003063 |
|       |           | actin dependent regulator of chromatin,    | 7 0           |             |           |
|       |           | subfamily a, member 4 (SMARCA4),           | 1             |             |           |
|       | ,         | mRNA /cds=(277,5220)                       | -9:-          |             |           |
|       |           | /gb=NM_003072 /gi=21071055                 | * .           |             |           |
| 1     |           | /ug=Hs.78202 /len=5681                     | •             |             |           |
| 7368  | 0.035177  | NADH-ubiquinone oxidoreductase             | NM_175614     | Hs.406062   | NP_783313 |
| *     |           | subunit B14.7 (NDUFA11), mRNA              | J. ** ₹       | -           |           |
| ٠     |           | /cds=(1,426) /gb=NM_175614                 |               |             |           |
|       |           | /gi=28269680 /ug=Hs.406062 /len=426        |               |             | 1         |
|       |           |  | = -           | <u>.</u>    |           |
| 7376  | 0.03788   | KIAA1805 protein (KIAA1805), mRNA          | NM_032434     | Hs.294122   | NP_115810 |
| 1 -   |           | /cds=(55,1758) /gb=NM_032434               | _             |             | _         |
|       |           | /gi=24308327 /ug=Hs.294122                 |               |             |           |
|       |           | /len=2873:                                 |               |             | **        |
| 7377  | 0.018784  | Abl-philin 2 (APH2), mRNA                  | NM 032327     | Hs.76662    | NP 115703 |
|       | 3.515107  | /cds=(159,1049) /gb=NM_032327              |               |             |           |
|       |           | /gi=14150105 /ug=Hs.76662 /len=1545        |               |             |           |
|       |           | /gi- 17 100 100 /ug-115./ 0002 /icii- 1545 |               | <b>]</b> .  |           |
| 7386  | 0.012276  | mRNA for KIAA1013 protein, partial         | AB023230      | Hs.96427    |           |
| 1300  | 0.012276  |  | ABU2323U      | 115.50441   |           |
|       | -         | cds: /cds=(1,3189) /gb=AB023230            |               | <b>.</b>    |           |
| 700-  | 0.000505  | /gi=4589675 /ug=Hs.96427 /len=4783         | NIM COCCCC    | 110 000     | ND 000050 |
| 7387  | 0.002565  | ribosomal protein L4 (RPL4), mRNA          | NM_000968     | Hs.286      | NP_000959 |
| -     | · ·       | /cds=(57,1340) /gb=NM_000968               | 0 .           |             |           |
| 1     | 1         | /gi=16579884 /ug=Hs.286 /len=1449          |               | L           | L         |

| Genes             | Correspon    | nding To Differ ntially Expressed Gen                                | es in Figur 20 - | RA         | 18                                      |
|-------------------|--------------|--|------------------|------------|---|
|                   | p-value      | Description  | Gene             | Unigene    | Protein                                 |
|                   | . *          |  | Accession No.    | Accession  | Accession                               |
|                   |              |  |                  | No.        | No.                                     |
| 7398              | 0.013394     | laminin, alpha 2 (merosin, congenital                                | NM 000426        | Hs.75279   | NP 000417                               |
| , 000             | 0.0.000      | muscular dystrophy) (LAMA2), mRNA                                    |                  |            |   |
|                   |              | /cds=(50,9382) /gb=NM_000426   |                  | *          |   |
| * 1               | :            | /gi=4557708 /ug=Hs.75279 /len=9534                                   |                  |            |   |
| 7403              | 0.006463     | ubiquitin-conjugating enzyme E2, J1                                  | NM_016021        | Hs.184325  | NP 057420                               |
| 7,403             | 0.000403     | (UBC6 yeast) (UBE2J1), mRNA  | WI_0 1002 1      | 115.104525 | NF_031.420                              |
| ž.                |              |  | r.               | -          |   |
|                   | 11.1         | /cds=(118,1095) /gb=NM_016021<br>/gi=7706311 /ug=Hs.184325 /len=1786 |                  | 1          |   |
|                   |              | /gi=//00311/ug=HS.104325/lefi=1/00                                   | 0                |            |   |
| 7404              | 0.005477     | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1                             | NIM 000040 7     |            | ND 070400                               |
| 7404              | 0.035177     | hypothetical protein MGC2827   | NM_023940        | Hs.8035    | NP_076429                               |
|                   |              | (MGC2827), mRNA /cds=(190,936)                                       |                  |            |   |
| :                 |              | /gb=NM_023940 /gi=13027611   |                  | * * *      |   |
| 1 <b>= 4</b> 12 ± | 0.0000       | /ug=Hs.8035 /len=1988  |                  |            | 2 |
| 7415              | 0.035177     | hypothetical protein FLJ12619  | NM_030939        | Hs.7779    | NP_112201                               |
| . ,               |              | (FLJ12619), mRNA /cds=(539,1228)                                     |                  |            |   |
|                   |              | /gb=NM_030939 /gi=21359961   | * (3)            | ***        |   |
|                   |              | /ug=Hs.7779 /len=2444  |                  |            |   |
| 7463              | 0.002337     | early growth response 1 (EGR1),                                      | NM_001964        | Hs.326035  | NP_001955                               |
|                   |              | mRNA /cds=(271,1902)   | *                |            |   |
|                   |              | /gb=NM_001964 /gi=4503492  | i g              |            | a experience                            |
|                   |              | /ug=Hs.326035 /len=3132  |                  |            |   |
| 7468              | 0.018784     | hypothetical protein MGC5576   | NM_024056        | Hs.103834  | NP_076961                               |
| ē                 | - 2          | (MGC5576), mRNA /cds=(52,804)  |                  |            |   |
|                   | r            | /gb=NM_024056 /gi=13129025   |                  | . · · ·    |   |
|                   |              | /ug=Hs.103834 /len=1472  |                  |            |   |
| 7484              | 0.017288     | RNA processing factor 1 (RPF1),                                      | NM 025065        | Hs.287863  | NP 079341                               |
|                   |              | mRNA /cds=(8,1057) /gb=NM_025065                                     | _                |            | -                                       |
|                   |              | /gi=18643386 /ug=Hs.287863   |                  | _ *        |   |
|                   | · · ·        | /len=1336  |                  |            |   |
| 7488              | 0.007893     | UI-E-CI1-afw-c-22-0-UI.r1 UI-E-CI1                                   | BM708589         | Hs.433343  |   |
|                   |              | cDNA clone UI-E-CI1-afw-c-22-0-UI 5',                                |                  |            |   |
|                   | *            | mRNA sequence /clone=UI-E-CI1-afw-                                   | e a di N         |            | y                                       |
| _                 | . 1          | c-22-0-UI /clone_end=5'  |                  | 1          |   |
|                   |              | /gb=BM708589 /gi=19021847  | *                |            | *                                       |
| i '               |              | /ug=Hs.433343 /len=901   |                  |            |   |
| 7507              | 0.043799     | KIAA0581 protein, partial cds  | AB011153         | Hs.41143   | NP_056007                               |
| ' ' ' '           | 0,040755     | /cds=UNKNOWN /gb=AB011153  | 1                | 113.11110  |   |
| ·                 |              | /gi=3043685 /ug=Hs.41143 /len=5147                                   |                  | <b>}</b> . |   |
| 7514              | 0.040751     | cDNA FLJ35055 fis, clone   | AK092374         | Hs.349303  |   |
| 1,314             | 1.0.0-107.51 | OCBBF2018563/gb=AK092374   | 1/31/OQZO14      | 13.043303  |   |
|                   |              | /gi=21750952 /ug=Hs.349303   |                  |            |   |
| l .               | 1            | /gi=217509527ug=Hs.549505<br> /len=3817                              | 1                |            |   |
| 7515              | 0.000300     |  | AK021770         |            | ND 902992                               |
|                   |              | FLJ11708 fis, clone HEMBA1005123                                     | AK021770         | Ho 420044  | NP_803882                               |
| 7517              | 0.03/88      | deoxyguanosine kinase (DGUOK),                                       | NM_080916        | Hs.432811  | NP_550440                               |
|                   |              | transcript variant 1, nuclear gene                                   | 1                |            | bi .                                    |
|                   |              | encoding mitochondrial protein, mRNA                                 |                  | -          |   |
|                   | ros<br>T     | /cds=(86,919) /gb=NM_080916  | 1                |            |   |
| . 6               |              | /gi=18426966 /ug=Hs 432811   |                  |            |   |
|                   | <u> </u>     | /len=1144  | L                | [          |   |

| <u>Genes</u> |   | nding To Differentially Expressed G n    | es in Figure 20 - |   |   |
|--------------|---|--|-------------------|---|---|
|              |   | Description                              | G ne              | Unigene                                 | Protein                                 |
|              |   |  | Accession No.     | Accession                               | Accession                               |
|              |   | <u></u>                                  |                   | No.                                     | No.                                     |
| 7518         | 0.001878                                | FLJ21950 fis, clone HEP04949             | AK025603          | × 200                                   | NP_054900                               |
| 7519         | 0.02801                                 | myotubularin related protein 3           | NM 021090         | Hs.63302                                | NP 694691                               |
|              |   | (MTMR3), transcript variant 3, mRNA      |                   |   |   |
|              |   | /cds=(288,3884) /gb=NM_021090            |                   |   |   |
|              |   | /gi=23510385 /ug=Hs.63302 /len=5963      |                   | · .                                     |   |
|              | *                                       |  | 101               | . ^                                     |   |
| 7522         | 0.004825                                | TH1-like (Drosophila) (TH1L), mRNA       | NM_016397         | Hs.5184                                 | NP 057481                               |
|              |   | /cds=(8,1429) /gb=NM_016397              |                   |   | * 7                                     |
|              |   | /gi=7705462 /ug=Hs.5184 /len=2130        |                   |   | *                                       |
| 7536         | 0.001339                                | inhibitor of growth family, member 1     | NM 005537         | Hs.46700                                | NP 005528                               |
| . 000        | 0.00 1000                               | (ING1), mRNA /cds=(433,1701)             |                   |   |   |
| ٠.           |   | /gb=NM_005537 /gi=19923770               |                   |   |   |
|              |   | /ug=Hs.46700 /len=2886                   |                   |   |   |
| 7544         | 0.007206                                | oxysterol binding protein-like 10        | NM 017784         | Hs.321622                               | NP 060254                               |
| 7 044        | 0.007200                                | (OSBPL10), mRNA /cds=(382,2676)          | 14141_017704      | 113.02 1022                             | 141 _000204                             |
|              |   | /gb=NM_017784 /gi=23111057               |                   |   |   |
|              |   | /ug=Hs.321622 /len=3938                  | 2                 |   |   |
| 7549         | 0.00169                                 | cDNA: FLJ21552 fis, clone COL06322.      | AK025205          | Hs.6634                                 | 1 100 100                               |
| 7549         | 0.00108                                 |  | AMUZOZUO          | IDS.0034                                |   |
|              | * **                                    | /gb=AK025205 /gi=10437670                | (1)               |   |   |
| 7550         | 7.445.04                                | /ug=Hs 6634 /len=2045                    | NIN 047775        | U - 050000                              | ND 000045                               |
| 7550         | 7.41E-04                                | hypothetical protein FLJ20343            | NM_017775         | Hs.252692                               | NP_060245                               |
|              |   | (FLJ20343), mRNA /cds=(19,1524)          |                   |   |   |
|              | * | /gb=NM_017775 /gi=22547158               |                   |   | * |
| 7554         | 0.047000                                | /ug=Hs.252692 /len=2784                  | 1114 000040       | 11. 04040                               | 110 075000                              |
| 7551         | 0.01/288                                | hypothetical protein FLJ11021 similar to | NM_023012         | Hs.81648                                | NP_075388                               |
| *            |   | splicing factor, arginine/serine-rich 4  | *.                | *                                       |   |
|              |   | (FLJ11021), mRNA /cds=(767,1375)         |                   |   |   |
|              |   | /gb=NM_023012 /gi=20127619               |                   |   |   |
| 1            |   | /ug=Hs.81648 /len=1878                   |                   |   |   |
| 7552         | 0.013394                                | interferon, alpha-inducible protein      | NM_005101         | Hs.432233                               | NP_005092                               |
|              |   | (clone IFI-15K) (G1P2), mRNA             |                   | *                                       |   |
|              |   | /cds=(76,573) /gb=NM_005101              | ,                 |   | ·                                       |
|              |   | /gi=4826773 /ug=Hs.432233 /len=634       |                   |   |   |
| 7554         | 0.018784                                | mRNA IRO40627 full length insert         | AL109779          |   | NP_075379                               |
|              | A                                       | cDNA clone EUROIMAGE 40627               |                   |   |   |
| 7562         | 0.035177                                | snail zinc finger protein (SNAI1) gene,  | AF155233          | * |   |
|              |   | complete cds                             | -                 |   |   |
| 7567         | 0.030249                                | cDNA FLJ34889 fis, clone                 | AK092208          | Hs.125294                               |   |
|              |   | NT2NE2017397, weakly similar to          | -                 | -                                       | e                                       |
| ,            |   | Rattus norvegicus beta-catenin binding   | o                 |   |   |
|              | , (                                     | protein mRNA. /cds=(274,2188)            |                   |   |   |
|              |   | /gb=AK092208 /gi=21750743                |                   |   |   |
| -            |   | /ug=Hs.125294 /len=2188                  |                   |   | ,                                       |
|              |   |  |                   | •                                       |   |
| 7572         | 0.023945                                | poly(A)-specific ribonuclease            | NM 002582         | Hs.43445                                | NP 002573                               |
|              |   | (deadenylation nuclease) (PARN),         |                   |   |   |
|              |   | mRNA /cds=(58,1977) /gb=NM_002582        |                   | *.                                      | ;                                       |
|              |   | /gi=4505610 /ug=Hs.43445 /len=2984       |                   |   |   |
|              |   | 10                                       | 1                 | 1                                       | 1                                       |

|              |          | nding To Differentially Expressed Gen  |   | Tipers                 | <del> </del> |
|--------------|----------|--|---|------------------------|--------------|
| Spot         | p-value  | Description  | Gene                                    | Unigene                | Protein      |
|              |          | tyr a  | Accession No.                           | Accession              | Accession    |
|              |          |  |   | No.                    | No.          |
| 7573         | 0.047031 | galactokinase 2 (GALK2), mRNA  | NM 002044                               | Hs.129228              | NP 002035    |
|              |          | /cds=(21,1397) /gb=NM_002044   |   |                        |              |
|              |          | /gi=4503896 /ug=Hs 129228 /len=1510  | * | the first of           |              |
|              |          | /gi-4000000 /dg-/13.120220 /icii-1010  |   |                        |              |
| 7504         | 0.044500 | EKEOC HIGHING AND C (EKEDE)  | NINA COAAAA                             | 11. 7557               | ND 004400    |
| 7581         | 0.014599 | FK506 binding protein 5 (FKBP5),   | NM_004117                               | Hs.7557                | NP_004108    |
|              |          | mRNA /cds=(154,1527)   |   |                        |              |
|              |          | /gb=NM_004117 /gi=17149847   | 3.0                                     |                        |              |
|              |          | /ug=Hs.7557 /len=3781  |   |                        |              |
| 7583         | 0.014599 | AGENCOURT_8929105 NIH_MGC_40   | BQ939558                                | Hs.405871              |              |
|              |          | cDNA clone IMAGE:6484442 5', mRNA  |   |                        |              |
|              |          | sequence /clone=IMAGE 6484442  |   |                        | ,            |
| 4            |          | /clone_end=5' /gb=BQ939558   |   | ·                      |              |
| •            |          | /gi=22355036 /ug=Hs 405871   |   | 2                      |              |
|              |          |  |   |                        |              |
|              | 177      | /len=1129  |   |                        |              |
|              |          |  |   |                        |              |
| 7588         | 0.030249 | prp28, U5 snRNP 100 kd protein (U5-  | NM_004818                               | Hs.184771              | NP_004809    |
|              |          | 100K), mRNA /cds=(40,2502)   |   |                        | 47.00        |
| * *          |          | /gb=NM_004818 /gi=4759277  |   |                        |              |
|              |          | /ug=Hs.184771 /len=3237  |   |                        |              |
| 7603         | 0.015895 | eukaryotic translation initiation factor   | NM 001414                               | Hs.78592               | NP 001405    |
|              |          | 2B, subunit 1 alpha, 26kDa (EIF2B1),   |   |                        |              |
| 100          |          | mRNA /cds=(11,928) /gb=NM_001414   |   |                        |              |
|              | ] *      |  |   |                        |              |
|              |          | /gi=4503502 /ug=Hs.78592 /len=1658   | * |                        |              |
|              | -        |  |   |                        | 102 22 22    |
| 7636         | 7,41E-04 | ferritin, light polypeptide (FTL), mRNA  | NM_000146                               | Hs.430150              | NP_000137    |
|              |          | /cds=(189,716) /gb=NM_000146   |   |                        |              |
|              |          | /gi=20149497 /ug=Hs 430150 /len=878  |   |                        |              |
|              |          |  |   |                        | ·            |
| 7659         | 0.003213 | ubiquitination factor E4B (UFD2 yeast)   | NM 006048                               | Hs.24594               | NP 006039    |
|              |          |  |   |                        |              |
|              |          | I/HRE4R\ mRNA /cds≈(86 3994)   | *                                       |                        |              |
|              |          | (UBE4B), mRNA /cds=(86,3994)   | -                                       |                        |              |
|              |          | /gb=NM_006048 /gi=5174482  |   | ,                      |              |
| 7000         | 0.000400 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314  | AK000003                                | 11- 074400             |              |
| 7663         | 0.022106 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone  | AK000993                                | Hs.274128              |              |
| 7663         | 0.022106 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993  | AK000993                                | Hs.274128              |              |
| 7663         | 0.022106 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone  | AK000993                                | Hs.274128              |              |
| 7663         |          | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065   |   | 0 *                    |              |
| 7663<br>7666 |          | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993  | AK000993<br>AK024164                    | Hs.274128              |              |
| •            |          | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940   |   | 0 *                    |              |
| •            |          | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041 /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164   |   | 0 *                    |              |
| •            |          | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811  |   | 0 *                    |              |
| 7666         | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878   | AK024164                                | Hs.301811              | NID 060756   |
| •            | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970  |   | 0 *                    | NP_060756    |
| 7666         | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)   | AK024164                                | Hs.301811              | NP_060756    |
| 7666         | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041 /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)<br>/gb=NM_018286 /gi=8922795   | AK024164                                | Hs.301811              | NP_060756    |
| 7666<br>7673 | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)<br>/gb=NM_018286 /gi=8922795<br>/ug=Hs.173233 /len=1670   | AK024164<br>NM_018286                   | Hs.301811              |              |
| 7666         | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041 /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)<br>/gb=NM_018286 /gi=8922795   | AK024164                                | Hs.301811              | NP_060756    |
| 7666<br>7673 | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)<br>/gb=NM_018286 /gi=8922795<br>/ug=Hs.173233 /len=1670<br>protein tyrosine phosphatase, receptor   | AK024164<br>NM_018286                   | Hs.301811<br>Hs.173233 |              |
| 7666<br>7673 | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)<br>/gb=NM_018286 /gi=8922795<br>/ug=Hs.173233 /len=1670<br>protein tyrosine phosphatase, receptor<br>type, C (PTPRC), transcript variant 1, | NM_018286<br>NM_002838                  | Hs.301811<br>Hs.173233 |              |
| 7666<br>7673 | 0.032636 | /gb=NM_006048 /gi=5174482<br>/ug=Hs.24594 /len=5314<br>cDNA FLJ10131 fis, clone<br>HEMBA1003041. /gb=AK000993<br>/gi=7021996 /ug=Hs.274128 /len=2065<br>FLJ14102 fis, clone MAMMA1000940<br>/cds=UNKNOWN /gb=AK024164<br>/gi=10436477 /ug=Hs.301811<br>/len=1878<br>hypothetical protein FLJ10970<br>(FLJ10970), mRNA /cds=(229,633)<br>/gb=NM_018286 /gi=8922795<br>/ug=Hs.173233 /len=1670<br>protein tyrosine phosphatase, receptor   | NM_018286<br>NM_002838                  | Hs.301811<br>Hs.173233 |              |

| Genes Corresponding To Differentially Expr ssed Genes in Figure 20 - RA |   |  |                    |             |           |
|---|---|--|--------------------|-------------|-----------|
| Spot  | p-value                                 | Description                                | Gen                | Unigene     | Protein   |
|   |   |  | Accession No.      | Accession   | Accession |
|   | *                                       |  |                    | No.         | No.       |
| 7690  | 0.020388                                | emopamil binding protein (sterol           | NM_006579          | Hs.75105    | NP_006570 |
|   |   | isomerase) (EBP), mRNA                     | 0                  | •           |           |
| - '0'   |   | /cds=(112,804) /gb=NM_006579               | . Sa San a galagan |             | 1         |
|   |   | /gi=5729809 /ug=Hs.75105 /len=1073         |                    |             |           |
| 7695  | 0.011238                                | FLJ31548 fis, clone NT2RI2001017           | AK056110           | Hs.61712    | NP 002601 |
| 7,000   | 0.011200                                | /cds=UNKNOWN /gb=AK056110                  | ,                  |             |           |
|   |   | /gi=16551424 /ug=Hs.61712 /len=2054        |                    | - C 1       | ·         |
|   | * *                                     | 791 1000 112 1749 110.011 12 11011 2001    | ÷.,                |             |           |
| 7704  | 0.007807                                | solute carrier family 35 (CMP-sialic acid  | NM 006416          | Hs.82921    | NP_006407 |
| 1104  | 0.007007                                | transporter), member 1 (SLC35A1),          | [NIVI_0004   0     | 113.02.02.1 | 111000407 |
|   |   | mRNA /cds=(28,1041) /gb=NM_006416          |                    | i di        |           |
|   |   |  |                    |             |           |
|   |   | /gi=20149579 /ug=Hs.82921 /len=1883        |                    |             |           |
| 7700  | 0.000047                                |  | NIM 022502         | Uo 70570    | ND 445000 |
| 7708  | 0.003947                                | histidine triad nucleotide binding protein | NIVI_U32593        | Hs.70573    | NP_115982 |
|   |   | 2 (HINT2), mRNA /cds=(31,522)              |                    |             |           |
|   |   | /gb=NM_032593 /gi=14211922                 |                    |             | 2.5       |
| - X   |   | /ug=Hs.70573 /len=632                      |                    |             | 100       |
| 7710  | 0.022802                                | cDNA: FLJ21531 fis, clone COL06036.        | AK025184           | Hs.102941   | * 1       |
|   |   | /gb=AK025184 /gi=10437647                  |                    |             |           |
|   | 4                                       | /ug=Hs.102941 /len=2671                    |                    |             |           |
|   |   |  |                    |             |           |
| 7711  | 0.03788                                 | death inducer with SAP domain DIS          | AF465616           | Hs.183779   | NP_060707 |
|   |   | mRNA, complete cds /cds=(120,3572)         |                    |             | ł         |
|   |   | /gb=AF465616 /gi=27497117                  |                    |             |           |
| •   | 7                                       | /ug=Hs.183779 /len=3856                    |                    |             |           |
|   |   |  |                    |             |           |
| 7719  | 5.79E-04                                | endothelial differentiation,               | NM_057159          | Hs.75794    | NP_476500 |
|   |   | lysophosphatidic acid G-protein-           |                    |             | _         |
|   |   | coupled receptor, 2 (EDG2), transcript     |                    | -6          | ,         |
| ì.  | [ · · · · · · · · · · · · · · · · · · · | variant 2, mRNA /cds=(394,1488)            |                    | *           |           |
|   |   | /gb=NM_057159 /gi=16950637                 |                    |             |           |
|   |   | /ug=Hs.75794 /len=2732                     |                    | * *         |           |
| 7738  | 0.018784                                |  | Al377292           | Hs.410753   | *         |
|   | ]                                       | cDNA clone IMAGE:2091553 3', mRNA          | 1                  |             |           |
|   |   | sequence /clone=IMAGE:2091553              | . 1                |             |           |
|   | 9.                                      | /clone_end=3' /gb=Al377292                 |                    |             |           |
|   |   | /gi=4187145 /ug=Hs.410753 /len=238         | * 0                |             | *         |
|   |   |  |                    |             |           |
| 7739  | 0.040751                                | hypothetical protein MGC12458              | NM_032328          | Hs.330664   | NP 115704 |
| 1139  | 0.040/51                                | (MGC12458), mRNA /cds=(30,518)             | USZSZO             | 1 13.330004 | 113704    |
|   |   | ,    |                    | 1           | 9         |
|   |   | /gb=NM_032328 /gi=14150107                 | :                  | [ ·         |           |
|   | 0.000555                                | /ug=Hs.330664 /len=1026                    | NINA 040040        | 11- 020242  | ND 000040 |
| 7740  | 0.003563                                | tripartite motif-containing 32 (TRIM32),   | NM_012210          | Hs.236218   | NP_036342 |
| . '   |   | mRNA /cds=(134,2095)                       |                    |             | , .       |
|   |   | /gb=NM_012210 /gi=15208649                 | *                  |             |           |
|   | l .                                     | /ug=Hs,236218 /len=3160                    |                    | 1           | 1         |

|          |          | nding To Differentially Expressed Gen   | 3                    |                      | Duck :            |
|----------|----------|---|----------------------|----------------------|-------------------|
| Spot     | p-value  | Description                             | Gen<br>Acc ssion No. | Unigene<br>Accession | Prot in Accession |
|          | ·        |   | : , ,                | No.                  | No.               |
| 7741     | 0.002602 |   | NM_022555            | Hs.308026            | NP_072049         |
|          |          | II, DR beta 3 (HLA-DRB3), mRNA          | *                    |                      | -                 |
|          |          | /cds=(41,841) /gb=NM_022555             | **                   |                      |                   |
|          | ,        | /gi=18641371 /ug=Hs.308026              |                      |                      |                   |
| -        |          | /len=1158                               |                      |                      |                   |
| 7746     | 0.014599 | PHD finger protein 3 (PHF3), mRNA       | NM_015153            | Hs.78893             | NP 055968         |
|          |          | /cds=(28,6147) /gb=NM_015153            |                      |                      |                   |
|          |          | /gi=7662017 /ug=Hs.78893:/len=6948      |                      |                      |                   |
| 7760     | 0.02801  | hypothetical protein FLJ20651           | NM 017919            | Hs.200332            | NP 060389         |
|          |          | (FLJ20651), mRNA /cds=(86,994)          | -                    |                      |                   |
|          |          | /gb=NM_017919 /gi=8923603               |                      |                      | . **              |
| 1        |          | /ug=Hs.200332 /len=2678                 |                      |                      |                   |
| 7764     | 0.032636 | aprataxin (APTX), transcript variant 1, | NM 175073            | Hs.14394             | NP 778243         |
| 1        | (        | mRNA /cds=(153,1181)                    |                      |                      |                   |
|          |          | /gb=NM_175073 /gi=28329435              |                      |                      |                   |
| •        |          | /ug=Hs.14394 /len=2086                  |                      |                      |                   |
| 7771     | 0.00587  | hypothetical protein FLJ14855           | NM 033210            | Hs.224843            | NP 149987         |
|          | 9.0000.  | (FLJ14855), mRNA /cds=(262,1896)        | 11111_000_10         | I TO LO              | - 1000            |
|          |          | /gb=NM_033210 /gi=21361856              |                      |                      |                   |
|          | ·        | /ug=Hs.224843 /len=3290                 |                      |                      | [                 |
| 7774     | 0.004367 | leucine-rich repeat-containing 5        | NM 018103            | Hs.44672             | NP 060573         |
| 1114     | 0.004307 | (LRRC5), mRNA /cds=(917,2965)           | 14141-010100         | 115.44072            | [NF_000373        |
|          |          | /gb=NM_018103 /gi=24431980              |                      |                      |                   |
|          | 0        |   |                      |                      |                   |
| 7775     | 0.007407 | /ug=Hs.44672 /len=3338                  | V07710               | <del> </del>         | <del> </del>      |
| 7775     |          | fibronectin gene ED-A region            | X07718               |                      | NID 004622        |
| 7790     | 0.03517  | EST(zt89c05.r1 Soares testis NHT        | AA398038             |                      | NP_004632         |
| 7000     | 0.000000 | clone 729512 5')                        | 414/000540           |                      | NE 057054         |
| 7802     | 0.020388 | EST 380589 MAGE resequences,            | AW968513             | -                    | NP_057251         |
|          |          | MAGJ cDNA= (xj42h09.x1                  |                      |                      |                   |
| .1       | 1        | Soares_NFL_T_GBC_S1)=( tt93e04.x1       |                      | 1                    | 1                 |
|          | [        | NCI_CGAP_Pr28                           |                      |                      |                   |
|          | o        | )=(Soares_fetal_heart_NbHH19W)=(        |                      |                      | <u>.</u>          |
| <u> </u> |          | Soares melanocyte 2NbHM)                | 5                    |                      |                   |
| 7810     | 0.017755 | EST(of65b08.s1 NCI_CGAP_Co8 clone       | AA857635             |                      |                   |
|          |          | IMAGE:1435191 3')                       |                      | <u> </u>             | · · ·             |
| 7812     | 0.02801  | EST(nw29b03 s1 NCI_CGAP_GCB0            | AA714698             |                      |                   |
|          |          | clone IMAGE:1241837 contains Alu        |                      |                      |                   |
|          |          | repeat)                                 | ·                    |                      |                   |
| 7826     | 0.004367 | yh68a05.s1 Soares placenta Nb2HP        | R32301               | Hs.386871            |                   |
|          |          | cDNA clone IMAGE:134864 3', mRNA        |                      |                      |                   |
|          | 1        | sequence /clone=IMAGE:134864            | ) <u>.</u>           | 1.                   | -X-               |
|          |          | /clone_end=3' /gb=R32301 /gi=788144     |                      |                      |                   |
|          |          | /ug=Hs.386871 /len=246                  |                      |                      |                   |
| 7828     | 0.014599 | BX101939 Soares infant brain 1NIB       | BX101939             | Hs.269499            |                   |
|          |          | cDNA clone IMAGp998C11163, mRNA         |                      | ]                    |                   |
|          |          | sequence                                |                      |                      |                   |
|          | 1        | /clone=IMAGp998C11163_;_IMAGE:36        | }                    |                      | 1                 |
|          | - 2      | 364 /gb=BX101939 /gi=27831516           |                      |                      |                   |
|          |          |   |                      |                      |                   |

|       |                | nding To Differentially Expressed G n   |                                       |              | Drotoi-    |
|-------|----------------|---|---------------------------------------|--------------|------------|
| Spot  | p-value        | Description   | Gen                                   | Unigen       | Protein    |
|       |                |   | Accession No.                         | Acc ssion    | Accession  |
|       |                |   |                                       | No.          | No.        |
| 7843  | 0.032636       | EST(qu23h09.x1 NCI_CGAP_Br12  | Al284640                              |              |            |
|       | أرج ما مامانيا | clone IMAGE:1965665 contains Alu  |                                       |              |            |
|       |                | repeat)   |                                       |              |            |
| 7850  | 0.025911       | hypothetical protein FLJ10006   | NM_017969                             | Hs.5570      | NP_060439  |
|       |                | (FLJ10006), mRNA /cds=(261,2720)  |                                       | · - i ·      |            |
|       | ]              | /gb=NM_017969 /gi=24308176  |                                       |              |            |
|       |                | /ug=Hs 5570 /len=2950   |                                       |              |            |
| 7859  | 0.010277       | AJ318805 adipose tissue cDNA clone  | AJ318805                              | Hs.86538     | 11/2       |
|       |                | 2040, mRNA sequence /clone=2040   |                                       |              |            |
|       | }              | /gb=AJ318805 /gi=18141682   |                                       |              |            |
|       |                | /ug=Hs.86538 /len=5223  |                                       |              | 1          |
| 7868  | 0.015895       | EST(yx98h12.s1 Soares melanocyte  | N24829                                | <del></del>  |            |
| .000  | 0.010000       | 2NbHM cDNA clone IMAGE:269831 3')   | 112 1020                              |              |            |
|       |                | CANADA IN CERTA, CIONE NAME L'ECOCO 1 3)  |                                       |              |            |
| 7869  | 0.004367       | hypothetical protein FLJ20534   | NM 017867                             | Hs.44344     | NP 060337  |
| 7009  | 0.004307       | (FLJ20534), mRNA /cds=(21,1061)   | 114101_017007                         | 1115.44544   | 141-000337 |
| * .   |                | /gb=NM 017867 /gi=8923502   |                                       |              | *          |
|       |                |   |                                       |              |            |
| 7070  | 0.00700        | /ug=Hs.44344 /len=1188  | DE000720                              |              | 77°8       |
| 7878  | 0.03788        | EST(RC1-BT0721-050400-011-a06   | BE090738                              |              |            |
|       | 2 2 2 2 2 2 2  | BT0721)   |                                       | 11. 100000   | 115 446044 |
| 7885  | 0.003563       | protein phosphatase 1, regulatory   | NM_030949                             | Hs.192822    | NP_112211  |
| *     |                | (inhibitor) subunit 14C (PPP1R14C),   | + * ()                                |              |            |
|       |                | mRNA /cds=(97,594) /gb=NM_030949  |                                       |              |            |
|       |                | /gi=19311005 /ug=Hs.192822  | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |              |            |
|       | <u>:</u>       | /len=2133   |                                       |              |            |
| 7888  | 0.003213       | cDNA FLJ31107 fis, clone  | AK055669                              | Hs.405954    |            |
|       |                | IMR322000152. /gb=AK055669  |                                       |              | ν =        |
|       | 1              | /gi=16550452 /ug=Hs.405954  |                                       | ,            |            |
|       | C is           | /len=2250   |                                       |              | _          |
| 7892  | 0.008566       | EST(ze97h03.s1 Soares fetal heart   | AA026679                              |              |            |
|       | i              | NbHH19W clone 366965 3' contains  |                                       |              |            |
|       | <u> </u>       | Alu repeat)   |                                       | 1,5          |            |
| 7913  | 3.04E-04       | EST (Soares breast 2NbHBst cDNA   | R71816                                |              | 7 -00      |
|       |                | clone IMAGE:155622 5')  |                                       |              |            |
| 7936  | 0.03788        | UI-H-BI4-apg-d-10-0-UI.s1   | BF509764                              | Hs.439798    | , , , ,    |
|       |                | NCI_CGAP_Sub8 cDNA clone  |                                       | 1.5          |            |
|       |                | IMAGE:3087402 3', mRNA sequence   | '                                     |              |            |
|       |                | /clone=IMAGE:3087402 /clone_end=3'  |                                       | 1            |            |
| •     |                | /gb=BF509764 /gi=11593062   |                                       |              |            |
|       |                | //ug=Hs.439798 /len=1099  | ,                                     |              |            |
|       |                | 1000   1000 | 1                                     |              |            |
| 7941  | 0.00507        | EST (EST370348 MAGE resequences,  | AW958278                              | <del> </del> | NP 112420  |
| 1941  | 0.00567        |   | V44300510                             |              | 112420     |
| 7044  | 0.047000       | MAGE cDNA)  | AA250105                              | <del> </del> | <u> </u>   |
| 7944  | 0.01/288       | EST67047 Fetal lung III Homo sapiens  | AA358105                              | 1            |            |
| =0.15 | 0.000          | cDNA 3' end   |                                       | 11. 405505   | NO 440045  |
| 7945  | 0.047031       | hypothetical protein FLJ14708   | NM_032827                             | Hs.135569    | NP_116216  |
|       |                | (FLJ14708), mRNA /cds=(198,1163)  |                                       | * \          |            |
|       |                | /gb=NM_032827 /gi=14249529  |                                       | 1 .          |            |
|       |                | /ug=Hs.135569 /len=2405   |                                       | *            |            |

|       |          | nding To Differentially Expressed Gen   |               |           | Dantain     |
|-------|----------|---|---------------|-----------|-------------|
| Spot  | p-value  | Description   | Gene          | Unigene   | Protein     |
|       | -        |   | Accession No. | Accession | Accession   |
| -     |          |   |               | No.       | No.         |
| 7947  | 0.010277 | EST (AV690707 GKC H.sapiens cDNA  | AV690707      |           | NP_004577   |
|       |          | in the state of the second of |               |           |             |
| 7948  | 0.043799 | mRNA; cDNA DKFZp686J072 (from   | AL832207      | Hs.255938 |             |
|       |          | clone DKFZp686J072) /gb=AL832207  |               |           |             |
|       |          | /gi=21732752 /ug=Hs.255938  |               |           |             |
| -     | *        | /len=7028   |               |           |             |
| 7950  | 0.006463 | cDNA sequence FLJ13553 fis, clone   | AK023615      |           | NP_006818   |
| 1 330 | 0.000403 | PLACE1007454  | 71.023013     |           | 141 _000010 |
| 7056  | 0.040070 | EST(zu24g05.s1 Soares_NhHMPu_S1   | AA421768      |           |             |
| 7956  | 0.049079 |   | AA42 1700     |           |             |
|       |          | cDNA clone IMAGE:738968 3' similar  |               |           | 0.0         |
| -     |          | to gb:Z13009_rna1 EPITHELIAL-   |               |           |             |
|       |          | CADHERIN PRECURSOR, contains Alu  |               | ]         |             |
|       | 10       | repetitive element;)  |               | ]         |             |
|       |          |   |               | - 2       | •           |
| 7967  | 0.010277 | unknown mRNA  | U00684        |           |             |
| 7977  | 0.02801  | pregnancy-induced growth inhibitor  | AF334780      | 11        |             |
|       |          | OKL38 gene, partial cds   |               |           |             |
| 7978  | 0.004825 | chromosome 6 open reading frame 11  | NM 005452     | Hs.17930  | NP 005443   |
|       |          | (C6orf11), mRNA /cds=(54,1886)  |               |           | -           |
|       | }        | /gb=NM_005452 /gi=14550417  |               |           |             |
|       |          |   |               | 0.        |             |
| 7004  | 0.040000 | /ug=Hs.17930 /len=2074  | AD054470      | 115 04704 |             |
| 7981  | 0.013392 | mRNA for KIAA1691 protein, partial  | AB051478      | Hs.94761  |             |
|       |          | cds. /cds=(78,1754) /gb=AB051478  | . :           |           |             |
|       |          | /gi=20521967 /ug=Hs.94761 /len=4816   |               |           |             |
| 30    |          |   |               |           |             |
| 7986  | 0.013394 | procollagen-proline, 2-oxoglutarate 4-  | NM_000918     | Hs.410578 | NP_000909   |
|       | P- "     | dioxygenase (proline 4-hydroxylase),  |               |           |             |
|       |          | beta polypeptide (protein disulfide   |               |           | *           |
|       | 0        | isomerase; thyroid hormone binding  | *             |           |             |
|       |          | protein p55) (P4HB), mRNA   |               |           |             |
|       |          | /cds=(45,1571) /gb=NM 000918  | 1             |           |             |
|       |          | /gi=20070124 /ug=Hs.410578  |               |           |             |
| •     |          |   | *             |           | <i>₹</i>    |
| 7007  | 0.020242 | /len=2438   | NIM O15440    | Uc 75004  | ND OFFICE   |
| 7987  | 0.030249 | cervical cancer 1 protooncogene   | NM_015416     | Hs.75884  | NP_056231   |
|       | <u>}</u> | (DKFZP586A011), mRNA  |               | }         |             |
| -     |          | /cds=(9,1091) /gb=NM_015416   |               |           |             |
| • •   |          | /gi=21166356 /ug=Hs.75884 /len=2118   |               |           |             |
|       | 100      |   |               |           | <u> </u>    |
| 7988  | 0.002096 | hypothetical protein FLJ13910   | NM_022780     | Hs.75277  | NP_073617   |
|       |          | (FLJ13910), mRNA /cds=(99,1274)   |               | <b>'</b>  |             |
| * .   |          | /gb=NM_022780 /gi=19923839  |               |           | 1           |
|       |          | /ug=Hs.75277 /len=3239  |               | 1 .       |             |
| 7992  | 0.018784 |   | AB060197      |           |             |
| . 002 | 3.010707 | insert sequence   | 1.2000101     |           |             |
|       | 0.042700 | Williams-Beuren syndrome  | NM_022479     | Hs.7981   | NP_071924   |
| 7007  | U.U43/33 |   | [NIVI_UZZ419  | 1115.7501 | 117_U/ 1924 |
| 7997  |          |   |               |           |             |
| 7997  |          | chromosome region 17 (WBSCR17),   |               |           | 1           |
| 7997  |          | chromosome region 17 (WBSCR17),<br>mRNA /cds=(1,1797) /gb=NM_022479<br>/gi=22538494 /ug=Hs.7981 /len=3298   |               |           |             |

|                      |          | nding To Differentially Expressed Gen    |               |             | <u> </u>                                |
|----------------------|----------|--|---------------|-------------|---|
| Spot                 | p-value  | Description                              | Gene          | Unigene     | Protein                                 |
|                      |          |  | Accession No. | Accession   | Accession                               |
|                      |          |  |               | No.         | No.                                     |
| 8003                 | 0.015895 | transcription factor 4 (TCF4), mRNA      | NM_003199     | Hs.326198   | NP_003190                               |
|                      |          | /cds=(200,2203) /gb=NM_003199            |               |             |   |
|                      |          | /gi=4507398 /ug=Hs.326198 /len=2500      |               | • • •       |   |
|                      | 2        |  |               |             |   |
| . 8004               | 0.035177 | topoisomerase (DNA) I (TOP1), mRNA       | NM 003286     | Hs.317      | NP 003277                               |
| . 000 <del>-</del> 7 | 0.000177 | /cds=(247,2544) /gb=NM_003286            | 114111_000200 | 113.517     | 141 _000277                             |
|                      |          | /gi=19913404 /ug=Hs.317 /len=3734        | -             |             |   |
|                      |          | /gi=19913404 /ug=ns.317 /ieii=3734       |               |             |   |
| 0047                 | 0.040070 |  | NIA 000045    | 11. 070505  | NID 000000                              |
| 8017                 | 0.012276 | secreted frizzled-related protein 5      | NM_003015     | Hs.279565   | NP_003006                               |
|                      |          | (SFRP5), mRNA /cds≑(182,1135)            |               |             |   |
|                      | ľ        | /gb=NM_003015 /gi=8400734                | : • •         | 1           |   |
|                      |          | /ug=Hs.279565 /len=1905                  |               |             |   |
| 8022                 | 0.03788  | eukaryotic translation elongation factor | NM_001402     | Hs.422118   | NP_001393                               |
|                      |          | 1 alpha 1 (EEF1A1), mRNA                 | *             |             |   |
|                      |          | /cds=(63,1451) /gb=NM_001402             |               | *           |   |
|                      |          | /gi=25453469 /ug=Hs.422118               |               | ,           |   |
|                      |          | /len=1837                                |               |             |   |
| 8027                 | 0.02801  | homeodomain protein (OG12) mRNA,         | AF022654      |             | NP_006875                               |
| 992                  | 0.0200.  | complete cds                             | 02200         |             |   |
| 8039                 | 0.012276 | BX090877 NCI CGAP Ut3 cDNA               | BX090877      | Hs.359704   |   |
| 0029                 | 0.012270 |  | 10000011      | 115.555704  | * |
|                      |          | clone IMAGp998N165642 ;                  | ·             |             | ,                                       |
|                      |          | IMAGE:2278479, mRNA sequence             |               |             | *                                       |
|                      |          | /clone=IMAGp998N165642_;_IMAGE:2         |               |             |   |
|                      | 1        | 278479 /gb=BX090877 /gi=27824565         |               |             |   |
|                      |          | /ug=Hs.359704 /len=471                   |               |             |   |
| 8040                 | 0.011238 | zinc finger protein 331; zinc finger     | NM_018555     | Hs.147644   | NP_061025                               |
|                      |          | protein 463 (ZNF361), mRNA               |               | **          |   |
| ł ·                  |          | /cds=(660,2051) /gb=NM_018555            | -00-          | i i         |   |
|                      |          | /gi=20127571 /ug=Hs.147644               |               | 1           | * * *                                   |
|                      |          | /len=2196                                |               |             | - 31                                    |
| 8042                 | 0.01045  | thioredoxin-like 2 (TXNL2), mRNA         | NM 006541     | Hs.42644    | NP 006532                               |
|                      | 1        | /cds=(5,1012) /gb=NM_006541              |               | *           | _                                       |
|                      | -        | /gi=5730103 /ug=Hs.42644 /len=1942       |               |             |   |
| 8046                 | 0.011238 | cDNA FLJ10423 fis, clone                 | AK001285      | He 106000   | T                                       |
| 1 0040               | 0.011230 | NT2RP1000259. /gb=AK001285               | , 11001200    | 1.13.100303 |   |
| 1                    | •        |  |               |             | ľ                                       |
| 1:                   | ,        | /gi=7022444 /ug=Hs.106909 /len=1837      |               | * '         |   |
| 0055                 | 0.005044 | E 100555                                 | NINA 004740   | 110 400404  | ND 070000                               |
| 8050                 | 0.025911 | hypothetical protein FLJ22557            | NM_024713     | Hs.106101   | NP_078989                               |
|                      |          | (FLJ22557), mRNA /cds=(87,1001)          | Ĭ             | 1.          | I.                                      |
| 1                    |          | /gb=NM_024713 /gi=13376012               | *             |             |   |
|                      |          | /ug=Hs 106101 /len=2676                  |               |             |   |
| 8051                 | 0.009388 | cDNA FLJ38352 fis, clone                 | AK095671      | Hs.376222   |   |
|                      |          | FEBRA1000148. /gb=AK095671               | 1             |             |   |
|                      |          | /gi=21754980 /ug=Hs.376222               | 1             | 1           | 1:                                      |
|                      |          | /len=2233                                |               | 1           |   |
| 8052                 | 0.035177 | hypothetical protein MGC14697            | NM_032747     | Hs.171625   | NP_116136                               |
| 0002                 | 0.000177 | (MGC14697), mRNA /cds=(264,440)          | 002/ //       | 1           | 1                                       |
| - y                  |          | /gb=NM_032747 /gi=14249375               |               | 1           |   |
|                      | `{       |  |               | ,           |   |
|                      |          | /ug=Hs.171625 /len=581                   | 1             |             | 1                                       |

|        |              | nding To Differentially Expressed Gen   |               |             | ļ            |
|--------|--------------|---|---------------|-------------|--------------|
| Spot   | p-valu       | Description                             | Gene          | Unigene     | Protein      |
|        |              | *                                       | Accession No. | Accession   | Accession    |
| •      |              |   |               | No.         | No.          |
| 8059   | 0.009388     | myotubularin related protein 2          | NM 016156     | Hs.181326   | NP 057240    |
| •      |              | (MTMR2), mRNA /cds=(342,2273)           | · · · · ·     |             | \            |
|        |              | /gb=NM_016156 /gi=20357517              |               |             |              |
|        |              | /ug=Hs.181326 /len=4681                 | 00            | *           |              |
| 8060   | 0.022106     | hypothetical protein HSPC155            | NM 016406     | Hs.177507   | NP 057490    |
|        | 0.522.00     | (HSPC155), mRNA /cds=(241,744)          | 0.00,00       |             |              |
| 4.     |              | /gb=NM_016406 /gi=7705480               |               |             |              |
|        |              | /ug≈Hs.177507 /len=1137                 |               | (           |              |
| 8066   | 3.47F-04     | clone IMAGE:4551222; mRNA               | BC017324      | Hs.98710    |              |
| 7.     | 0.472.04     | /gb=BC017324 /gi=23398507               | 00017021      | 17.5.507 70 |              |
|        |              | /ug=Hs.98710 /len=2031                  |               |             |              |
| 8067   | 8 37F-04     | zinc finger protein 289, ID1 regulated  | NM_032389     | Hs.256310   | NP_115765    |
| 0007   | 0.07         | (ZNF289), mRNA /cds=(9,1574)            | 14141_002003  | 113.200010  | 111 _110700  |
|        |              | /gb=NM_032389 /gi=14150222              | <u> </u>      |             |              |
|        |              | /ug=Hs.256310 /len=2753                 |               | Co.         |              |
| 8068   | 0.001330     | hypothetical protein FLJ10726           | NM_018195     | Hs.268561   | NP 060665    |
| 0000   | 0.001000     | (FLJ10726), mRNA /cds=(176,622)         | 14141_010130  | 113.200001  | 141 _000000  |
|        | , 7, 5s - 1, | /gb=NM_018195 /gi=8922622               |               | 100         |              |
|        |              | /ug=Hs.268561 /len=2800                 |               |             |              |
| 8069   | 5.79F-04     | Similar to nuclear localization signals | BC016981      | Hs.244624   |              |
| 0003   | 9,735-04     | binding protein 1, clone MGC:21810      | 100010301     | 113.244024  | 1            |
|        | 7.00         | IMAGE:4183576, mRNA, complete cds       |               |             |              |
| ,      |              | /cds=(58,375) /gb=BC016981              |               |             |              |
|        | 9 7          | /gi=16877469 /ug=Hs.244624              |               |             | @            |
| , ,    |              | /len=2059                               |               |             |              |
| 8085   | 0.013304     | dimerization cofactor of hepatocyte     | NM 032151     | Hs.150186   | NP 115527    |
| 0000   | 0.013334     | nuclear factor 1 (HNF1) from muscle     | 14101_032131  | 113.130100  | 1113327      |
| 2 1    | ł.           | (DCOHM), mRNA /cds=(21,413)             |               |             | 1            |
|        |              | /gb=NM_032151 /gi=14149824              | ٠.            | 131         |              |
| • , ,  |              | /ug=Hs.150186 /len=5641                 | Xeen          |             | 1.0          |
| 8091   | 0.02801      | látróphilin 1 (LPHH1), mRNA             | NM 012302     | Hs.24212    | NP 036434    |
| 0031   | 0.02001      | /cds=(217,4428) /gb=NM_012302           | 14141_012302  | 113.24212   | 141-030434   |
|        |              | /gi=6912463 /ug=Hs.24212 /len=5479      |               |             |              |
| 8119   | 0 43E-04     | mRNA for KIAA1949 protein.              | AB075829      | Hs.101150   |              |
| 0,113  | 3.43L-04     | /cds=(1149,3137) /gb=AB075829           | AD073029      | 1113.101130 |              |
|        |              | /gi=18916754 /ug=Hs.101150              |               |             |              |
|        |              | /len=4015                               |               |             |              |
| 8120   | 0.022106     | centrosome-associated protein 350       | NM_014810     | Hs.92200    | NP 055625    |
| U IĘU. | 0.022 100    | (CAP350), mRNA /cds=(168,9521)          | 14010         | 113.32200   | TIME _000050 |
|        |              | /gb=NM_014810 /gi=18378734              | 1             |             | *            |
|        |              | /ug=Hs.92200 /len=11740                 |               |             | 1            |
| 0405   | 0.004220     |   | NIM OTEOCO    | He 44202    | NP 057053    |
| 8125   | 0.001339     | mitochondrial ribosomal protein S17     | NM_015969     | Hs.44298    | NP_05/053    |
|        |              | (MRPS17), nuclear gene encoding         | 1             |             | (A)          |
| •      |              | mitochondrial protein, mRNA             | 1             |             |              |
|        |              | /cds=(31,423) /gb=NM_015969             |               |             | 2.0          |
| - 1    |              | /gi=16554613 /ug=Hs.44298 /len=600      | <u> </u>      | <u> 1 :</u> | <u></u>      |

|       |          | nding To Differentially Expressed Gen |               |               |               |
|-------|----------|---------------------------------------|---------------|---------------|---------------|
| Spot  | p-value  | Description                           | Gene          | Unigen        | Protein       |
| ,     |          |                                       | Accession No. | Accession No. | Accession No. |
| 8130  | 0.004825 | hypothetical protein FLJ31951         | NM 144726     | Hs.349306     | NP 653327     |
| 0.00  |          | (FLJ31951), mRNA /cds=(28,2103)       |               |               |               |
|       |          | /gb=NM_144726 /gi=21389514            | * *           |               |               |
|       |          | /ug=Hs.349306 /len=3362               | 00 3 00       |               |               |
| 8133  | 3 03E-04 | ADP-ribosylation factor guanine       | NM 015310     | Hs.6763       | NP 056125     |
| 0133  | 2.03104  | nucleotide factor 6 (EFA6R), mRNA     | 14141_010010  | 113.07.00     | 030125        |
|       |          | /cds=(53,1657) /gb=NM_015310          | •             |               |               |
|       | (        | /gi=7662395 /ug=Hs.6763 /len=6722     |               |               |               |
| 8151  | 0.047031 | cDNA: FLJ23115 fis, clone LNG07933.   | AK026768      | Hs.98728      |               |
| 0131  | 0.047031 | /gb=AK026768 /gi=10439696             | AIN020700     | 113.30720     |               |
|       |          |                                       |               | o\$5 -        |               |
|       | * 4.     | /ug=Hs:98728 /len=1917                |               | , i           |               |
|       | 0.005044 | COP9 constitutive photomorphogenic    | NIM ODERST    | Hs 380969     | NP-006828     |
| 8152  | 0.025911 |                                       | 141AI_000931  | 1U2'300303    | NF-000028     |
|       | × .      | subunit 5 (Arabidopsis) (COPS5),      |               | a (X)         |               |
|       |          | mRNA /cds=(121,1125)                  |               | -20           | 8 6           |
|       | - 1      | /gb=NM_006837 /gi=5803045             |               |               | Į.            |
| 7.150 | 0.00045  | /ug=Hs.380969 /len=1277               | 1114 000405   | 11. 70700     | ND 005450     |
| 8153  | 0.023945 | hypothetical protein DKFZp586E1923    | NM_020425     | Hs.70769      | NP_065158     |
|       |          | (DKFZP586E1923), mRNA                 |               |               |               |
|       | 10.50    | /cds=(1,294) /gb=NM_020425            |               |               |               |
|       |          | /gi=10092684 /ug=Hs.70769 /len=294    |               | 00700         |               |
| 8161  | 0.00587  | cDNA: FLJ22930 fis, clone KAT07255.   | AK026583      | Hs.90790      |               |
|       |          | /gb=AK026583 /gi=10439467             |               |               |               |
| 4.    |          | /ug=Hs:90790 /len=1600                |               |               |               |
| 1     |          |                                       |               | 11 (2070)     |               |
| 8163  | 0.006463 | NADH dehydrogenase (ubiquinone) 1     | NM_002491     | Hs.109760     | NP_002482     |
|       |          | beta subcomplex, 3, 12kDa (NDUFB3),   |               |               |               |
|       |          | mRNA /cds=(253,549) /gb=NM_002491     |               | ]             |               |
|       | ]        | /gi=4505360 /ug=Hs.109760 /len=693    |               |               |               |
|       |          |                                       |               |               | <u> </u>      |
| 8167  | 0.001878 | component of oligomeric golgi complex | NM_031431     | Hs.13392      | NP_113619     |
|       |          | 3 (COG3), mRNA /cds=(102,2588)        |               |               |               |
|       |          | /gb=NM_031431 /gi=14591930            |               | . 37          |               |
|       |          | /ug=Hs.13392 /len=4500                |               | <b>]</b> .    |               |
|       | ļ        |                                       |               | ļ             |               |
| 8168  | 0.003947 | hypothetical protein FLJ23221         | NM_024579     | Hs. 18397     | NP_078855     |
|       |          | (FLJ23221), mRNA /cds=(24,419)        |               |               | 4             |
|       |          | /gb=NM_024579 /gi=13375757            |               | ~             | ٠,            |
|       |          | /ug=Hs.18397 /len=519                 |               |               |               |
| 8178  | 0.013394 | TAF9-like RNA polymerase II, TATA     | NM_015975     | Hs.171723     | NP_057059     |
|       |          | box binding protein (TBP)-associated  |               |               | {             |
|       |          | factor, 31kDa (TAF9L), mRNA           |               |               | 1             |
|       |          | /cds=(91,846) /gb=NM_015975           | <b>\</b>      |               |               |
|       |          | /gi=21166377 /ug=Hs.171723            |               |               |               |
|       | 1 ' 1    | /len=2734                             |               |               |               |

| Genes   | Correspoi              | nding To Differentially Expressed Gen  | es in Figure 20 - | RA         |   |
|---------|------------------------|--|-------------------|------------|---|
|         | p-value                | Description                            | Gene              | Unigen     | Protein                                 |
|         |                        |  | Accession No.     | Accession  | Accession                               |
|         |                        |  |                   | No.        | No.                                     |
| 8182    | 0.030249               | general transcription factor IIH,      | NM 001515         | Hs.191356  | NP_001506                               |
|         |                        | polypeptide 2, 44kDa (GTF2H2), mRNA    |                   |            | _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
|         |                        | /cds=(1,1188) /gb=NM_001515            |                   |            |   |
|         |                        | /gi=6681761 /ug=Hs.191356 /len=1188    |                   |            |   |
|         |                        | /gi=0001701/qg=(13.171,530//lefi=1100  |                   |            |   |
| 8184    | 0.014599               | cDNA FLJ30135 fis, clone               | AK054697          | Hs.34906   | NP- 776170                              |
| 0,0,1   | 0.01.000               | BRACE2000061. /gb=AK054697             | , 11,00 1001      | 113.04000  | 1111,_770170                            |
| 0       | *                      | /gi=16549295 /ug=Hs.34906 /len=2024    |                   |            |   |
| a 14    |                        | /gi= 10040250 /dg=113.04000 /lei1=2024 | No.               |            |   |
| 8186    | 0.006463               | Arkadia (ARK), mRNA /cds=(374,1486)    | NM 017610         | Hs.12504   | NP 060080                               |
| 9100    | Q.000 <del>-</del> 00. | /gb=NM_017610 /gi=24111229             | 14W_017010        | 115.12004  | 141000000                               |
|         |                        | /ug=Hs.12504 /len=3010                 |                   |            | *.                                      |
| ;· 'Ŧ,' | ,                      | /ug=нs, 12504 /len=3010<br> -          |                   |            |   |
| 8187    | 0.000500               | logicium abonnal voltago donandost l'  | NIM 000740        | 11- 00005  | ND 000740                               |
| 0107    | v.000006               | calcium channel, voltage-dependent, L  | NM_000719         | Hs.89925   | NP_000710                               |
|         |                        | type, alpha 1C subunit (CACNA1C),      |                   | }          |   |
|         |                        | mRNA /cds=(266,6682)                   |                   | . * .      |   |
| - 97    |                        | /gb=NM_000719 /gi=27597079             |                   |            | *                                       |
| 0400    | 0.047004               | /ug=Hs.89925 /len=8374                 | 111 212 1         |            | · · · · · · · · · · · · · · · · · · ·   |
| 8188    | 0.047031               | hypothetical protein FLJ20287          | NM_017746         | Hs.26369   | NP_060216                               |
| . )     | * *                    | (FLJ20287), mRNA /cds=(132,2921)       |                   |            |   |
|         |                        | /gb=NM_017746 /gi=8923268              |                   |            |   |
|         |                        | /ug=Hs.26369 /len=3043                 |                   |            |   |
| 8190    | 0.010277               | PP784 mRNA, complete                   | AF258591          | Hs.284281  | NP_689514                               |
|         | ٠,                     | cds/cds=(198,581) /gb=AF258591         |                   |            |   |
|         |                        | /gi=10834727 /ug=Hs.284281/len=2145    |                   |            |   |
|         |                        | = XM_052614.3                          |                   |            | *                                       |
|         |                        |  |                   |            |   |
| 8205    | 0.015895               | histone H2A.F/Z variant (H2AV),        | NM_138635         | Hs.301005  | NP_619541                               |
|         | ** **                  | transcript variant 2, mRNA             |                   | ,          |   |
| l '     |                        | /cds=(172,516) /gb=NM_138635           | 1                 |            |   |
|         |                        | /gi=20357598 /ug=Hs.301005             |                   |            |   |
|         |                        | /len=3453                              |                   |            | -                                       |
| 8222    | 0.018784               |  | NM_002624         | Hs.288856  | NP 665904                               |
|         |                        | 1, mRNA /cds=(36,500)                  | -                 |            | = **                                    |
| (-      | *                      | /gb=NM_002624 /gi=22202632             |                   | ) *        |   |
|         |                        | /ug=Hs.288856 /len=661                 |                   |            | * *                                     |
| 8224    | 0.008566               | hypothetical protein, MGC:7199         | NM 138459         | Hs.289008  | NP_612468                               |
|         |                        | (LOC116150), mRNA /cds=(174,1055)      |                   |            | · - · - · · ·                           |
|         | × ×                    | /gb=NM 138459 /gi=20270242             |                   |            |   |
| :       |                        | /ug=Hs.289008 /len=2645                |                   |            |   |
| 8226    | 0.004367               | splicing factor 3a, subunit 1, 120kDa  | NM 005877         | Hs.406277  | NP_005868                               |
|         | , = -,                 | (SF3A1), mRNA /cds=(132,2513)          |                   |            |   |
|         |                        | /gb=NM_005877 /gi=20127483             |                   |            |   |
|         |                        | /ug=Hs.406277 /len=2944                | ,                 |            | * .                                     |
| 8227    | 0.012276               | hypothetical protein FLJ20628          | NM 017910         | Hs.32356   | NP 060380                               |
| UZZI    | 0.012270               | (FLJ20628), mRNA /cds=(23,1456)        | 14141 01/910      | 1 18.32330 | 145_000300                              |
|         |                        | /gb=NM 017910 /gi=13435382             |                   |            |   |
|         | *                      |  |                   |            |   |
| نستسيا  | <u> </u>               | /ug=Hs.32356 /len=1846                 | L                 | L          | l                                       |

|      |                 | nding To Differentially Express d Gen           |               |               |               |
|------|-----------------|---|---------------|---------------|---------------|
| Spot | p-value         | Description                                     | Gene          | Unigene       | Protein       |
| ,    |                 |   | Accession No. | Accession No. | Accession No. |
| 8229 | 0.018784        | hepatitis C virus core-binding protein 6        | NM 023934     | Hs.283674     | NP_076423     |
|      |                 | (HCBP6), mRNA /cds=(114,683)                    |               |               |               |
|      |                 | /gb=NM_023934 /gi=24371247                      |               | Ì             |               |
|      |                 | /ug=Hs.283674 /len=1157                         |               |               |               |
| 8230 | 0.007807        | mRNA for KIAA0592 protein, partial              | AB011164      | Hs.439367     | , T           |
|      |                 | cds. /cds=(1,4062) /gb=AB011164                 |               | 1.19.100001   | ŀ             |
|      | 1               | /gi=3043707 /ug=Hs.439367 /len=4623             |               | . 0           |               |
|      |                 | 9. 00 10. 00 00 00 00 00 00 00 00 00 00 00 00 0 |               | 1 .           | -             |
| 8261 | 0.012276        | cDNA FLJ10878 fis, clone                        | AK001740      | Hs.15144      | NP 064715     |
|      | 0.072270        | NT2RP4001893, highly similar to                 | ,             | 113.10144     | 141 _0047 10  |
|      | *               | mRNA; cDNA DKFZp564O043.                        |               | 4             |               |
|      |                 | /gb=AK001740 /gi=7023191                        | () + o        |               |               |
|      | ,               | /ug=Hs.15144 /len=2599                          | , <u>V</u>    |               |               |
| 8274 | 8 37F-04        | mRNA; cDNA DKFZp451L0319 (from                  | AL833086      | Hs.43213      |               |
| 0214 | 0.57 E-04       | clone DKFZp451L0319) /gb=AL833086               | AL033000      | 115.43213     |               |
|      | :               | /gi=21733677 /ug=Hs 43213 /len=4614             | 100           | ] .           |               |
|      |                 | rgi-21733077 rdg-(15.43213 //e11-4014           |               |               |               |
| 8277 | 0.000388        | checkpoint with forkhead and ring               | NM_018223     | Hs.23794      | NP_060693     |
| Q211 | 0.003300        | finger domains (CHFR), mRNA                     | 111111_010223 | IIIS.23/84    | INF_000093    |
|      |                 | /cds=(65,1936) /gb=NM_018223                    |               | 1             |               |
| ,    |                 |   | .,            | l             |               |
| 9200 | 0.020240        | /gi=8922674 /ug=Hs.23794 /len=3138              | NIA OCCO      | 1)- 402500    | ND 440040     |
| 8309 | 0.030249        | hypothetical protein FLJ14906                   | NM_032859     | Hs.183528     | NP_116248     |
|      |                 | (FLJ14906), mRNA /cds=(131,736)                 | ,"            | *             | ,             |
|      | 1               | /gb=NM_032859 /gi=14249591                      | 3° (          | . :           |               |
| 0044 | 0.042700        | /ug=Hs.183528 /len=2492                         | DO040000      | 10. 405050    | <del> </del>  |
| 8311 | 0.043799        | clone IMAGE:5295441, mRNA                       | BC043222      | Hs.405253     | 1             |
| ·    |                 | /gb=BC043222 /gi=28175025                       |               | 39-2          |               |
|      | 0.00001         | /ug=Hs.405253 /len=2712                         | <u> </u>      | l             | <b></b>       |
| 8316 | 0.02801         | clone IMAGE:4794726, mRNA                       | BC042028      | Hs.367688     |               |
| ٠.   | 1               | /gb=BC042028 /gi=27469506                       | *             |               |               |
|      | ļ.,,,,,,,,,,    | /ug=Hs.367688 /len=1479                         |               |               | <u> </u>      |
| 8324 | 0.043799        | hypothetical protein (FLJ10562 fis,             | AK001424      |               | NP_057116     |
| 200  | 1 2 2 2 2 2 2 2 | clone NT2RP2002701)                             | \             | <u> </u>      | 1 3           |
| 8338 | 0.013394        | cDNA FLJ14181 fis, clone                        | AK024243      | Hs.130874     |               |
|      |                 | NT2RP2004300. /gb=AK024243                      |               |               | }             |
| A -  | }               | /gi=10436570 /ug=Hs.130874                      |               |               |               |
|      |                 | /len=4411                                       |               | <u> </u>      | <u> </u>      |
| 8358 | 0.032636        | EST from cd34_stem cells Human                  | AF150123      | 1             |               |
|      |                 | sapiens cDNA clone CBCALE06                     |               | ļ             |               |
| 8363 | 0.02801         | hypothetical protein FLJ14753                   | NM_032558     | Hs.13453      | NP_115947     |
| *    | Ý.,             | (FLJ14753), mRNA /cds=(247,1095)                | . 30          |               |               |
|      | 1.0             | /gb=NM_032558 /gi=14211858                      |               | ſ             |               |
|      |                 | /ug=Hs.13453 /len=2593                          | · ·           | <u> </u>      |               |
| 8365 | 0.010277        | hypothetical protein FLJ10702                   | NM_018184     | Hs.104222     | NP_060654     |
|      |                 | (FLJ10702), mRNA /cds=(175,735)                 | ·             |               | ,             |
|      | 1               | /gb=NM 018184 /gi=8922600                       | ψω            | }             | <b>1</b>      |
|      |                 | /ug=Hs.104222 /len=2944                         | 1 .           | [·            |               |

| Spot   | p-value   | nding To Differentially Expressed Gen Description | Gene                                    | Unigene    | Protein   |
|--|-----------|---|---|------------|-----------|
| Y 10 - 5   |           |   | Accession No.                           | Accession  | Accession |
| · ,  |           |   | Accession No.                           | No.        | No.       |
| 8369   | 0.011238  | hypothetical protein FLJ20432                     | NM 017819                               | Hs.57898   | NP 060289 |
| 0,000  | 0.011230  | (FLJ20432), mRNA /cds=(603,1361)                  | 14141_017019                            | 115.57636  | NF_000209 |
|  |           |   | • |            |           |
|  |           | /gb=NM_017819 /gi=8923404                         |   | <u> </u>   |           |
| 0074   | 0.004000  | /ug=Hs.57898 /len=1654                            | NIA 000005                              | W= *4=400  | 1         |
| 8374   | 0.001339  | HT021 (HT021), mRNA /cds=(145,531)                | NM_020685                               | Hs.47166   | NP_065736 |
|  | ,         | /gb=NM_020685 /gi=10190735                        |   |            |           |
|  | 30 - 3    | /ug=Hs.47166 /len=797                             |   |            |           |
| 8376   | 0.017288  | EST(zk54c05.r1                                    | AA044356                                |            | NP_001767 |
|  |           | Soares_pregnant_uterus_NbHPU                      |   | 100        |           |
| 1. <u>1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1</u> |           | cDNA clone IMAGE:486632 5')                       |   |            |           |
| 8378   | 0.001339  | 601556349T1 NIH_MGC_58 cDNA                       | BE739647                                | Hs.88156   |           |
|  |           | clone IMAGE:3826069 3', mRNA                      |   | *          | -         |
|  | <b>}</b>  | sequence /clone=IMAGE:3826069                     |   |            |           |
| * ***  |           | /clone_end=3' /gb=BE739647                        | * |            |           |
|  |           | /gi=10153639 /ug=Hs.88156 /len=692                |   |            |           |
| 8395   | 0.002337  | EST xp73h11.x1.NCI_CGAP_Ov40                      | AW270457                                |            |           |
| 0000   | 0.00200.  | cDNA clone IMAGE:2746053 3' similar               | ,                                       |            | *         |
|  |           | to contains Alu repetitive                        |   |            |           |
|  | 1         | element;contains element MER32                    | *                                       |            |           |
|  |           |   |   |            |           |
| 0405   | 0.012204  | repetitive element ;                              | A16004044                               | 11- 200044 | ND 770004 |
| 8405   | 0.013394  | cDNA FLJ33992 fis, clone                          | AK091311                                | Hs.368944  | NP_778231 |
|  | 9         | DFNES2007634. /gb=AK091311                        |   |            |           |
| -  | 0         | /gi=21749651 /ug=Hs.368944                        |   |            | *         |
|  |           | /len=3116   |   |            | <u> </u>  |
| 8406   | 0.03788   | erythroblast membrane-associated                  | NM_018538                               | Hs.410294  | NP_061008 |
|  |           | protein (ERMAP), mRNA                             |   |            | ľ         |
|  |           | /cds=(167,1594) /gb=NM_018538                     | ,                                       | ,          |           |
|  |           | /gi=19923535 /ug=Hs.410294                        |   |            |           |
| · · · · .  |           | /len=3381   |   |            |           |
| 8413   | 0.020388  | EST (or91g12.s1 NCI_CGAP_Lu5                      | AA988166                                | 3.         | 11.       |
| •  |           | IMAGE:1603270 3')                                 |   |            |           |
| 8418   | 0.02801   | EST ty79e06.x1 NCI_CGAP_Kid11                     | Al629011                                | <u> </u>   | NP 055428 |
|  |           | cDNA clone IMAGE:2285314 3                        |   |            |           |
| 8419   | 0.030249  | mRNA; cDNA DKFZp586B1922 (from                    | AL049450                                | Hs.184779  | 7         |
| ,  | 0.0002-70 | clone DKFZp586B1922) /gb=AL049450                 |   | 13.104779  | ·         |
| :  |           | /gi=4500236 /ug=Hs.184779 /len=1433               |   |            |           |
| *  |           | 191-400200 /dy-113.1041/3/1611-1400               |   |            |           |
| 8430   | 0.035177  | chromosomo 20 anon rooding franco 20              | NINA 019057                             | Un 194629  | ND 000707 |
| 0430   | 0.035177  | chromosome 20 open reading frame 36               | 18101_0 1025/                           | Hs.184628  | NP_060727 |
|  |           | (C20orf36), mRNA /cds=(128,1213)                  |   |            | 1         |
|  | ]         | /gb=NM_018257 /gi=8922738                         |   |            |           |
|  |           | /ug=Hs.184628 /len=3655                           |   |            |           |
|  |           |   |   |            |           |
| 8438   | 0.008566  | mRNA sequence /gb=L26969                          | L26969                                  | Hs.362852  |           |
|  |           | /gi=16905391 /ug=Hs.362852                        |   | ٠          |           |
|  |           | /len=1738   | í                                       | 1          | 1         |

|          |                                       | nding To Differentially Expressed Gen |               |               |               |
|----------|---------------------------------------|---------------------------------------|---------------|---------------|---------------|
| Spot     | p-value                               | Description                           | Gen           | Unigene       | Protein       |
| •        | (1)                                   |                                       | Acc ssion No. | Accession     | Accession     |
|          |                                       |                                       |               | No.           | No.           |
| 8439     | 0.02801                               | Similar to nasopharyngeal carcinoma   | BC025283      | Hs.401412     |               |
|          | The second                            | susceptibility protein, clone         |               |               |               |
|          |                                       | IMAGE:5018419, mRNA                   |               |               |               |
|          |                                       | /gb=BC025283 /gi=19263927             |               |               | A Commence    |
|          |                                       | /ug=Hs.401412 /len=2812               |               | A. W.         |               |
| 8447     | 9 43F-04                              | cDNA FLJ32621 fis, clone              | AK057183      | Hs.425445     | 74            |
|          | 0.,02                                 | STOMA2000395. /gb=AK057183            |               |               |               |
|          | · · · · · · · · · · · · · · · · · · · | /gi=16552779 /ug=Hs.425445            | * . **        |               | 7.0           |
|          |                                       | /len=2648                             | -             |               |               |
| 8449     | 0.043799                              | hypothetical protein FLJ10619         | NM 018156     | Hs.191436     | NP 060626     |
| 0443     | 0.0437.99                             | (FLJ10619), mRNA /cds=(65,1894)       | 14141_010130  | 1115.131430   | INI _000020   |
| . *      |                                       | /gb=NM 018156 /gi=8922552             |               | ( )           |               |
|          |                                       |                                       |               |               | * * *         |
| 0/54     | 0.004925                              | /ug=Hs.191436 /len=3989               | DE160711      |               | <del>5:</del> |
| 8451     | 0.004825                              | EST (PM1-HT0422-170100-005-c12        | BE160711      |               | ±             |
| Ő 457    | 0.010070                              | HT0422)                               | 700404        |               |               |
| 8457     | 0.0122/6                              | EST (T98494 ye60e05.s1 Soares fetal   | T98494        |               |               |
|          |                                       | liver spleen 1NFLS cDNA clone         |               |               |               |
|          |                                       | IMAGE:122144 3')                      |               |               |               |
| 8458     | 0.007807                              | cDNA FLJ35666 fis, clone              | AK092985      | Hs.233382     |               |
|          |                                       | SPLEN2017781. /gb=AK092985            |               | 2.            |               |
|          |                                       | /gi=21751702 /ug=Hs.233382            | 4             |               |               |
|          |                                       | /len=2153                             | *             | V T           |               |
| 8461     | 0.02801                               | cDNA FLJ39764 fis, clone              | AK097083      | Hs.181297     |               |
|          |                                       | SPLEN2000143. /gb=AK097083            |               | 1.1           |               |
| · . ·    | =1<br>0                               | /gi=21756734 /ug=Hs.181297            |               |               |               |
|          |                                       | /len=2530                             |               |               |               |
| 8472     | 0.030249                              | cDNA FLJ14188 fis, clone              | AK024250      | Hs.288671     |               |
|          |                                       | NT2RP2005980. /gb=AK024250            |               |               |               |
|          |                                       | /gi=10436579 /ug=Hs.288671            | . 6           |               |               |
|          |                                       | /len=2289                             |               | ***           |               |
| 8489     | 0.002096                              | CLK4 mRNA sequence                    | AF212224      | Hs.406557     | ¥             |
| - 7 .3 ° | 0.00200                               | /cds=(154,1515) /gb=AF212224          |               | 110.10000     | -             |
|          |                                       | /gi=9437514 /ug=Hs.406557 /len=1865   |               |               |               |
|          |                                       |                                       |               |               |               |
| 8501     | 0.032636                              | hypothetical protein FLJ40137         | NM 173478     | Hs.412708     | NP 775749     |
| . 0001   | 1 .002000                             | (FLJ40137), mRNA /cds=(149,1141)      | 1130410       | 11 13.7 12/00 |               |
|          | 14                                    | /gb=NM 173478 /gi=27735056            |               |               |               |
| . ,      |                                       |                                       |               |               |               |
| 0507     | 0.004504                              | /ug=Hs.412708 /len=2241               | NIM O10000    | 110 275044    | ND 064000     |
| 8507     | U.UU1501                              | hypothetical protein FLJ20015         | NM_018996     | Hs.375614     | NP_061869     |
|          |                                       | (FLJ20015), mRNA /cds=(32,523)        |               | * .           |               |
|          | [.                                    | /gb=NM_018996 /gi=9506648             |               | 1             |               |
|          |                                       | /ug=Hs.375614 /len=1457               |               | ļ             |               |
| 8511     |                                       | EST(yx64g06.r1 clone 266554 5')       | N31192        | 1             |               |
| 8516     | 0.002096                              | EST (MR1-SN0033-100400-001-a10        | AW867013      |               | ]             |
|          |                                       | SN0033)                               |               |               |               |
| 8521     | 0.047031                              | cDNA, 5' end /clone=IMAGE:4182762     | BF337076      | Hs.213129     | ]             |
|          |                                       | /clone_end=5' /gb=BF337076            |               |               |               |
|          | . 0                                   | /gi=11283172 /ug=Hs.213129 /len=974   |               |               |               |
|          | 1                                     |                                       |               | 1             | 1             |

| Genes   |             | nding To Differentially Expr ssed Gen                   |               |               |               |
|---------|-------------|---|---------------|---------------|---------------|
| Spot    | p-value     | Description   | Gen           | Unig ne       | Protein       |
|         |             |   | Acc ssion No. | Acc ssion     | Accession     |
|         |             | 0   |               | No.           | No.           |
| 8523    | 0.007107    | EST (0x48a03.x1   | AI038291      |               | NP_612206     |
| • • • • |             | Soares_total_fetus_Nb2HF8_9wIMAGE                       |               | *** ** **     |               |
|         |             | :1659532 3')  |               |               |               |
| 8525    | 0.013394    | 7f26a06.x1 NCI_CGAP_CLL1 cDNA                           | BE676253      | Hs.436350     | 100           |
|         |             | clone IMAGE:3295762 3' similar to                       |               |               |               |
| . 10    | ] ]         | contains Alu repetitive element; contains               |               | 12", "        |               |
|         | *           | element MER22 repetitive element;                       | •             |               | *             |
|         | !           | mRNA sequence   |               |               |               |
|         |             | /clone=IMAGE:3295762 /clone_end=3'                      | ٧.            | *             |               |
| 1.1     |             | /gb=BE676253 /gi=10036794                               |               |               |               |
| . * ·   |             | /ug=Hs.436350 /len=492                                  |               |               |               |
| 5       |             | 749 110.100000 71011 102                                |               |               |               |
| 8528    | 3 95F-04    | EST (602152342F1 NIH MGC 81                             | BF671599      | - the term    |               |
| 5520    | 0.002-04    | cDNA clone IMAGE:4293442.5')                            | 3.00.00       |               |               |
| 8530    | 0.049079    | UI-E-EJ0-ahq-g-22-0-UI.s1 UI-E-EJ0                      | BM674631      | Hs.444500     |               |
| 2000    | 0.070013    | cDNA clone UI-E-EJ0-ahq-g-22-0-UI 3',                   | 211107 7001   | 1.10.1-14000  |               |
|         |             | mRNA sequence /clone=UI-E-EJ0-ahq-                      | **            |               |               |
|         |             | g-22-0-UI /clone_end=3'                                 |               |               |               |
| . • )   |             | /gb=BM674631 /gi=18984529                               |               |               |               |
|         |             | /ug=Hs.444500 /len=1272                                 |               |               |               |
| 8531    | 0.043700    | cDNA FLJ40915 fis, clone                                | AK098234      | Hs.207079     |               |
| . 0001  | 0.043799    | UTERU2005450. /gb=AK098234                              | AK030204      | 113.207013    |               |
|         |             | /gi=21758205 /ug=Hs.207079                              | 1             |               |               |
|         | (           | /len=2739   | * *           |               | <b>1</b>      |
| 0522    | 0.03656     | sin3-associated polypeptide, 18kDa                      | NM 005870     | Hs.23964      | NP 005861     |
| 8532    | 0.036556    |   | NIVI_003670   | IDS.23904     | 1111-003801   |
| 585     |             | (SAP18), mRNA /cds=(65,526)                             |               | · .           |               |
|         | b - 1       | /gb=NM_005870 /gi=23510407                              |               |               |               |
| 0544    | 0.047024    | /ug=Hs.23964 /len=2035<br>EST(hh01c12.x1 NCL CGAP_Kid11 | AW614572      |               | NP 714916     |
| 8541    | 0.047031    | _   | AVV014372     |               | NP_/ 14916    |
| 0540    | 0.040704    | cDNA clone IMAGE:2953846 3')                            | BF748890      | <del></del>   |               |
| 8548    | J U.U 18/84 | EST (RC1-BN0413-041000-021-a09                          | BF / 4009U    |               | *             |
| OFFT    | 0.040704    | BN0413)   | BQ017647      | Hs.124747     |               |
| 000/    | 0.018784    | UI-H-ED0-awy-a-01-0-UI.s1                               | DQ017047      | J.75, J.24/4/ |               |
| -       |             | NCI_CGAP_ED0 cDNA clone                                 | *             |               |               |
| 1       |             | IMAGE:5825160 3', mRNA sequence                         |               |               | 81            |
|         |             | /clone=IMAGE:5825160 /clone_end=3'                      |               |               |               |
|         |             | /gb=BQ017647 /gi=19752924                               |               |               | 0             |
|         |             | /ug=Hs.124747 /len=1445                                 |               | *             |               |
| 0550    | 0.005437    | NO0.5504 DVA  | DC000003      | 115 400757    |               |
| 8559    | 0.035177    | clone MGC:5564, mRNA, complete cds                      | RC003681      | Hs.188757     |               |
|         |             | /cds=(227,304) /gb=BC003697                             | , ,           |               | *             |
| A       |             | /gi=13277575 /ug=Hs.188757                              |               |               |               |
| 2-2-    | 1000000     | /len=2145   | \             | 0.555         | Sp. geografia |
| 8560    | 3.95E-04    |   | NM_000991     | Hs.356371     | NP_000982     |
|         |             | /cds=(43,456) /gb=NM_000991                             |               |               |               |
|         | ]           | /gi=13904865 /ug=Hs.356371 /len=500                     |               |               | r ·           |
|         |             | *   |               |               | <u> </u>      |

| Genes        | Correspo           | nding To Differentially Expr ssed Gen  | es in Figure 20 -                       | RA               |                                       |
|--------------|--------------------|--|---|------------------|---------------------------------------|
|              | p-value            | Description  | Gene                                    | Unigen           | Protein                               |
|              |                    |  | Accession No.                           | Accession<br>No. | Accession<br>No.                      |
| 8561         | 0.035177           | UI-H-BI2-agy-f-12-0-UI:s1  | AW292315                                | Hs.435074        | 140.                                  |
| 0001         | 0.000177           | NCI_CGAP_Sub4 cDNA clone   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 110.100071       |                                       |
|              | *                  | IMAGE:2726158 3', mRNA sequence  |   |                  |                                       |
| 1 4 8        |                    |  | 00                                      |                  |                                       |
| 0            | W <sub>2</sub> , / | /clone=IMAGE:2726158 /clone_end=3'   |   |                  |                                       |
|              |                    | /gb=AW292315 /gi=6698951   |   |                  |                                       |
|              |                    | /ug=Hs.435074 /len=11117   |   |                  | ď.                                    |
| 8565         | 0.004825           | EST(DKFZp313E1524_r1 313   | AL599090                                | •                |                                       |
|              | 1                  | (synonym: hlcc2) Homo sapiens cDNA   |   | , ·              |                                       |
| 5            |                    | clone DKFZp313E1524 5')  |   | *                |                                       |
| 8568         | 0.004825           | EST(clone IMAGE:4733034.5')  | BG619661                                | V                |                                       |
| 8570         |                    | EST hz28e05.x1 NCI_CGAP_GC6  | BE466897                                |                  | · · · · · · · · · · · · · · · · · · · |
| 23.0         |                    | cDNA clone IMAGE:3209312 3   |   |                  |                                       |
| 8577         | 0.035177           | RC5-FT0194-271100-022-B06 FT0194   | BF858635                                | Hs.270272        |                                       |
| 3311         | 0.000177           | cDNA, mRNA sequence /gb=BF858635   |   | 1.10.2.7 02.12   |                                       |
|              | 1                  | /gi=12246379 /ug=Hs.270272 /len=590  |   |                  |                                       |
|              | l                  | rgi=12240379 rug=HS.270272 riei1=590   |   |                  | *                                     |
| 0504         | 0.007007           | ACENCOURT CAATOOT NULL MOO. CT   | DMZOOOC                                 | 11- 204000       |                                       |
| 8584         | 0.007807           | AGENCOURT_6417307 NIH_MGC_67   | BM799896                                | Hs.304926        |                                       |
| - 00         |                    | cDNA clone IMAGE:5492062 5', mRNA  |   |                  |                                       |
| . *          |                    | sequence /clone=IMAGE:5492062  |   |                  |                                       |
| 700          |                    | /clone_end=5' /gb=BM799896   |   |                  |                                       |
| 3            |                    | /gi=19116719 /ug=Hs.304926 /len=913  |   |                  |                                       |
| *            |                    |  |   |                  |                                       |
|              | 7                  |  |   | 1 × 1            |                                       |
| 8585         | 0.004825           | ok48d01.s1 NCI_CGAP_Lei2 cDNA  | AA903192                                | Hs.276518        |                                       |
|              |                    | clone IMAGE:1517185 3', mRNA   |   |                  |                                       |
|              |                    | sequence /clone=IMAGE:1517185  | co. 8 *                                 | . 5              |                                       |
|              |                    | /clone_end=3' /gb=AA903192   |   |                  |                                       |
|              |                    | /gi=3038315 /ug=Hs.276518 /len=357   |   |                  |                                       |
| 8586         | 0.003947           | UPF3 regulator of nonsense transcripts   | NM 023011                               | Hs.399740        | NP 542418                             |
|              |                    | A (yeast) (UPF3A), transcript variant 1,   |   |                  |                                       |
|              |                    | mRNA /cds=(38,1468) /gb=NM_023011  |   |                  |                                       |
|              |                    | /gi=18375523 /ug=Hs.399740   |   |                  |                                       |
| ٠            |                    | /len=2381  |   |                  | 1                                     |
|              | 1 .                | 7011 2001  | *                                       |                  |                                       |
| 8593         | 0.005325           | cs26g08.y1 Retinal pigment   | CA392625                                | Hs.389253        |                                       |
| 0000         | 0.000020           | lepithelium/choroid cDNA (Un-  | U/1002020                               | 13.003200        | * ,                                   |
| ,            |                    | normalized, unamplified): cs cDNA  |   |                  |                                       |
|              |                    |  |   | *                |                                       |
|              |                    | clone cs26g08 5', mRNA sequence  |   | . ^              | · ·                                   |
|              |                    | /clone=cs26g08 /clone_end=5'   |   |                  |                                       |
| · ·          | 1                  | /gb=CA392625 /gi=24725520  |   |                  |                                       |
| 1            |                    |  |   | 1                | 1                                     |
|              |                    | /ug=Hs.389253 /len=648   | N. W. T. Z. T. Z. Z.                    |                  | <del> </del>                          |
| 8594         | 0.00168            | EST(nh89a01.r1 NCI_CGAP_Br1.1  | AA513780                                |                  | 0 0                                   |
| 8594         | 0.00168            | EST(nh89a01.r1 NCI_CGAP_Br1.1 cDNA clone IMAGE:965640 5' similar   | AA513780                                | 11               |                                       |
|              |                    | EST(nh89a01.r1 NCI_CGAP_Br1.1 cDNA clone IMAGE:965640 5' similar to contains Alu repetitive element)                                   |   |                  |                                       |
| 8594<br>8595 |                    | EST(nh89a01.r1 NCI_CGAP_Br1.1 cDNA clone IMAGE:965640 5' similar   | AA513780<br>NM_000967                   | Hs.119598        | NP_000958                             |
|              |                    | EST(nh89a01.r1 NCI_CGAP_Br1.1 cDNA clone IMAGE:965640 5' similar to contains Alu repetitive element)                                   |   | Hs.119598        | NP_000958                             |
|              |                    | EST(nh89a01.r1 NCI_CGAP_Br1.1 cDNA clone IMAGE:965640 5' similar to contains Alu repetitive element) ribosomal protein L3 (RPL3); mRNA |   | Hs.119598        | NP_000958                             |

|       |           | nding To Differentially Expressed Gen                             |                |   |               |
|-------|-----------|---|----------------|---|---------------|
| Spot  | p-value   | Description   | Gen            | Unigene                                 | Prot in       |
|       | x *       |   | Accession No.  | Accession<br>No.                        | Accession No. |
| 8609  | 0.003947  | UI-H-BI0-aah-f-11-0-UI.s1   | AW014024       | Hs.443573                               | NO.           |
|       |           | NCI_CGAP_Sub1 cDNA clone  |                |   | 2.00          |
| -     | ·         | IMAGE:2709285 3', mRNA sequence                                   |                | •                                       |               |
|       | * 1       | /clone=IMAGE:2709285 /clone_end=3'                                |                |   |               |
|       |           | /gb=AW014024 /gi=5862781  |                |   |               |
|       |           | /ug=Hs.443573 /len=594  |                |   | l '           |
| 8615  | 0.032636  | cDNA clone IMAGE:3918063 5'                                       | BE895919       | , | NP_055157     |
| 77.57 |           | 601432861F1 NIH MGC 72  |                |   |               |
| 8622  | 0.010277  | FLJ30623 fis, clone CTONG2001748                                  | AK055185       | Hs.351574                               | NP 079050     |
|       |           | /cds=UNKNOWN /gb=AK055185   |                |   | _0,0000       |
|       | er (S     | /gi=16549855 /ug=Hs 351574  | ×              |   |               |
|       |           | /len=2870   | 5 t            |   |               |
| 8626  | 0.047031  | yf81h04.s1 Soares infant brain 1NIB                               | R40376         | Hs.388213                               |               |
| 0020  | 0.077.001 | cDNA clone IMAGE:29029 3', mRNA                                   | 11,400,10      | 113.000210                              |               |
|       |           | sequence /clone=IMAGE:29029                                       |                |   |               |
|       |           | /clone_end=3' /gb=R40376 /gi=821119                               |                |   |               |
| ٠.    |           | /ug=Hs.388213 /len=439  |                |   |               |
| 8627  | 0.02801   | FLJ31562 fis, clone NT2RI2001422                                  | AK056124       | Hs.6651                                 | NP 003753     |
| 0021  | 0.02001   | /cds=UNKNOWN /gb=AK056124   | ANU30124       | I COO.                                  | NP_003/33     |
|       |           |   | * *            |   |               |
| 0622  | 0.002002  | /gi=16551441 /ug=Hs.6651 /len=2253<br>cDNA clone IMAGE:4769918 5' | DCC22220       |   | ND 777500     |
| 8632  |           |   | BG623330       | 11- 20/1020                             | NP_777568     |
| 8635  | 0.023945  | ESTs, cDNA, 3' end /clone_end=3'                                  | BI789108       | Hs.304928                               |               |
|       |           | /gb=BI789108 /gi=15816833   |                | *                                       |               |
| 0007  | 0.000040  | /ug=Hs.304928 /len=529  | 1114 450040    | 100504                                  | 115 0000      |
| 8637  | 0.030249  | mitochondrial translational initiation                            | NM_152912      | Hs.406591                               | NP_690876     |
|       |           | factor 3 (MTIF3), mRNA  |                | •                                       | -             |
|       |           | /cds=(237,1073) /gb=NM_152912                                     |                |   |               |
|       |           | /gi=24432096 /ug=Hs.406591  |                |   |               |
| 1     |           | /len=1693   |                |   |               |
| 8640  | 0.043799  | UI-H-BI1-abw-g-10-0-UI.s1   | AW138102       | Hs.444831                               |               |
|       |           | NCI_CGAP_Sub3 cDNA clone  |                | <b>,</b>                                | •             |
|       |           | IMAGE:2713530 3', mRNA sequence                                   | 4              |   |               |
|       |           | /clone=IMAGE:2713530 /clone_end=3'                                |                |   |               |
|       |           | /gb=AW138102 /gi=6142420  |                |   | · ·           |
|       | ].        | /ug=Hs.444831 /len=772  |                |   |               |
| 8643  | 0.004825  | ESTs, cDNA, 5' end  | BG532473       | Hs.107265                               | NP_003426     |
|       |           | /clone=IMAGE:4699685 /clone_end=5'                                |                | *                                       |               |
|       |           | /gb=BG532473 /gi=13524012   |                |   |               |
|       |           | /ug=Hs.107265 /len=774  | :              | 10                                      |               |
|       | *         | <u> </u>  |                | <u> </u>                                |               |
| 8646  | 0.025911  | cDNA FLJ39413 fis, clone  | AK096732       | Hs.194339                               | 7.            |
|       |           | PLACE6015729. /gb=AK096732  |                | ,                                       |               |
|       |           | /gi=21756291 /ug=Hs.194339  | ĺ              |   |               |
|       |           | /len=1957   | 7.             |   |               |
| 8648  | 0.03788   | hypothetical protein MGC40157                                     | NM_152350      | Hs.295362                               | NP 689563     |
|       |           | (MGC40157), mRNA /cds=(106,498)                                   | 1 <del>-</del> | 1                                       | _             |
|       |           | /gb=NM_152350 /gi=22748758  |                | [··                                     | 1             |
|       | L         |   | I              | 1                                       | 1             |

| Genes                          | Correspoi | nding To Differentially Expressed Gen  | es in Figure 20 - | RA                                    |           |
|--------------------------------|-----------|--|-------------------|---------------------------------------|-----------|
|                                |           | Description  | Gene              | Unigene                               | Protein   |
|                                | •         |  | Accession No.     | Accession                             | Accession |
|                                |           |  |                   | No.                                   | No.       |
| 8649                           | 0.020388  | nah90b12.x1 NCI_CGAP_HN19 cDNA   | BG272785          | Hs.440690                             | 110.      |
| 00.0                           | 2.02.00   | clone IMAGE:4257766 similar to   |                   |                                       |           |
|                                |           | P39194 ALU SUBFAMILY SQ  | •                 |                                       |           |
|                                | 0.1       | SEQUENCE CONTAMINATION   | •                 |                                       |           |
|                                |           | WARNING ENTRY. [1] ;contains Alu   | • 1               | +                                     |           |
|                                |           |  |                   |                                       | 1         |
|                                |           | repetitive element;, mRNA sequence   | , i + +           | #                                     |           |
|                                |           | /clone=IMAGE:4257766 /gb=BG272785  |                   |                                       | <u>'</u>  |
|                                |           | /gi=12982288 /ug=Hs.440690 /len=360  |                   | * * *                                 |           |
| 0054                           | 0.04044   | DNA 51 1000 40 51 -1   | A14004004         | 10.4500                               | λ,        |
| 8654                           | 0.04244   | cDNA FLJ33942 fis, clone   | AK091261          | Hs.434532                             |           |
|                                |           | CTONG2018147. /gb=AK091261   |                   |                                       | , ,       |
| and<br>Salah salah salah salah | . 1       | /gi=21749590 /ug=Hs.434532   | *                 |                                       | *         |
|                                |           | /len=2356  |                   |                                       | <u> </u>  |
| 8660                           | 0.004367  | nk74h02.s1 NCI_CGAP_Sch1 cDNA  | AA551072          | Hs.368624                             |           |
| 1.                             |           | clone IMAGE:1019283 3' similar to  |                   |                                       | *         |
|                                |           | contains Alu repetitive element; contains  | ·                 |                                       |           |
|                                |           | element LTR5 repetitive element ;,   | , j               | i                                     |           |
|                                |           | mRNA sequence  | A CONTRACTOR      |                                       |           |
|                                | 2         | /clone=IMAGE:1019283 /clone_end=3'   |                   | · •                                   |           |
|                                |           | /gb=AA551072 /gi=2321324   |                   |                                       |           |
|                                | -         | /ug=Hs.368624 /len=477   |                   |                                       |           |
| 8666                           | 0.018784  | EST(UI-H-EU1-bab-e-09-0-UI.s1  | BQ446611          | , , , , , , , , , , , , , , , , , , , | NP 037506 |
|                                | *         | NCI_CGAP_Ct1 cDNA clone UI-H-EU1-  | No. of the second |                                       |           |
| • :                            |           | bab-e-09-0-UI 3')  | •                 |                                       | akan w    |
| 8669                           | 7.41F-04  | cDNA FLJ10190 fis, clone   | AK001052          | Hs.274546                             |           |
|                                |           | HEMBA1004753. /gb=AK001052   | , (00 1002        | 110.27 10 10                          | ļ. ·      |
| L                              |           | /gi=7022081 /ug=Hs.274546 /len=1318  |                   | ė :                                   |           |
| 0                              |           |  | i i               | * 3                                   |           |
| 8675                           | 0.010277  | UI-H-EI0-ayo-a-20-0-UI.s1  | BQ004581          | Hs.412459                             |           |
| 9012                           | 0.010277  | NCI CGAP EI0 cDNA clone  | DQ004301          | 113.412433                            |           |
| ]                              |           | IMAGE:5841307 3', mRNA sequence  | *                 |                                       | ·         |
| l.                             | 1         | /clone=IMAGE:5841307 /clone_end=3'   |                   | } :                                   |           |
|                                | • •       |  | *                 | 4                                     | * *       |
|                                | 3         | /gb=BQ004581 /gi=19729481  | *                 |                                       |           |
| ļ                              | 7 - 1     | /ug=Hs 412459 /len=1095  |                   |                                       |           |
| 0005                           | 0.040700  | Circle to object the first transfer of the f | DC040407          | Un 05000                              | <u> </u>  |
| 8685                           | 0.043/99  | Similar to ubiquitin protein ligase E3A  | BC040187          | Hs.25320                              |           |
| [ .                            |           | papilloma virus E6-associated protein,   |                   |                                       | 1         |
| 1                              | 1.        | Angelman syndrome), clone  | 1                 | ·                                     |           |
| 1                              | - "       | IMAGE:4811444, mRNA  | 4                 |                                       |           |
| ſ                              |           | /gb=BC040187 /gi=25455694  | 20                |                                       |           |
|                                | <u> </u>  | /ug=Hs.25320 /len=4823   |                   |                                       |           |
| 8686                           | 0.004367  | mRNA; cDNA DKFZp564P016 (from  | AL049337          | Hs.132571                             | 1         |
| 1                              |           | clone DKFZp564P016) /gb=AL049337   |                   |                                       |           |
|                                |           | /gi=4500118 /ug=Hs.132571 /len=1938  |                   |                                       |           |
|                                |           | *  |                   |                                       | <u></u>   |
| 8692                           | 0.032636  | EST383274 MAGE resequences,  | AW971186          | Hs.442674                             |           |
|                                |           | MAGL cDNA, mRNA sequence   | *                 | 4                                     |           |
|                                | 9         | /gb=AW971186 /gi=8161031   | *                 |                                       | *         |
|                                | 1         | /ug=Hs.442674 /len=603   |                   | 1                                     | d         |

|              |          | nding To Differentially Express d Gen      |               |              |           |
|--------------|----------|--|---------------|--------------|-----------|
| Spot         | p-value  | Description                                | Gene          | Unigene      | Protein   |
|              |          | *  | Accession No. | Accession    | Accession |
| 11           |          |  | <u></u>       | No.          | No.       |
| 8694         | 0.043799 | protein kinase, cAMP-dependent,            | NM_002734     | Hs.183037    | NP_002725 |
|              |          | regulatory, type I, alpha (tissue specific |               |              |           |
|              | l"       | extinguisher 1) (PRKAR1A), mRNA            | * .           |              |           |
| •            |          | /cds=(88,1233) /gb=NM_002734               |               | 1            |           |
|              |          | /gi=4506062 /ug=Hs.183037 /len=3036        |               |              |           |
|              |          |  |               |              |           |
| 8699         | 0.020388 | clone IMAGE:3909623, mRNA, partial         | BC015894      | Hs.33264     |           |
|              |          | cds /cds=(1,178) /gb=BC015894              |               |              |           |
|              |          | /gi=16198445 /ug=Hs.33264 /len=2980        |               |              |           |
|              |          | <u> </u>                                   | **            |              |           |
| 8720         | 0.02801  | UI-H-EU0-azs-p-18-0-UI.s1                  | BQ183906      | Hs.356538    |           |
| <b>012</b> Ω | 0.02001  | NCI_CGAP_Car1 cDNA clone IMAGE:            | 34.00000      | 110.00000    |           |
|              |          | 5853185 3', mRNA sequence                  |               |              |           |
|              |          | /clone=IMAGE:_5853185 /clone_end=3'        |               |              |           |
| . , )        |          | /gb=BQ183906 /gi=20359457                  |               |              |           |
| * *          |          |  |               |              | :         |
| 24.7         |          | /ug=Hs.356538 /len=1068                    |               | *            | * '       |
| 0700         | 0.040754 | DVEZ 547N400" -4 547 (                     | A1 40 4000    | Hs.272048    | 313       |
| 8728         | 0.040751 | DKFZp547N166_r1 547 (synonym:              | AL134698      | MS.272048    |           |
|              |          | hfbr1) cDNA clone DKFZp547N166 5',         |               |              | 8         |
| :            | Take 1   | mRNA sequence                              |               |              |           |
|              |          | /clone=DKFZp547N166 /clone_end=5'          | 4.5 4.7 T     |              |           |
|              | ,        | /gb=AL134698 /gi=6602885                   |               | 80           |           |
|              |          | /ug=Hs.272048 /len=586                     |               |              |           |
| 8738         | 0.040751 | tb26b01.x1 NCI_CGAP_Kid12 cDNA             | Al308217      | Hs.177064    |           |
|              | -        | clone IMAGE:2055433 3' similar to          |               | -            | •         |
|              |          | contains Alu repetitive element, mRNA      |               |              |           |
|              |          | sequence /clone=IMAGE:2055433              | 2             |              |           |
|              | 1        | /clone end=3' /gb=Al308217                 |               |              |           |
|              | 51       | /gi=4002852 /ug=Hs.177064 /len=421         |               |              |           |
|              |          |  |               |              |           |
| 8760         | 0.007807 | EST(cDNA clone IMAGE:5258751 5')           | BI457491      |              | NP 031394 |
| 8767         |          | UMP-CMP kinase (UMP-CMPK),                 | NM 016308     | Hs.11463     | NP 057392 |
|              |          | mRNA /cds=(31,717) /gb=NM_016308           |               |              |           |
|              |          | /gi=7706496 /ug=Hs.11463 /len=2836         | • '           |              |           |
|              |          | /g/ //00 100 /dg 110. 11 100 /ion 2000     | *             |              | * *       |
| 8769         | 0.010277 | EST(adult brain Danio rerio cDNA clone     | RI429083      | 1            | -         |
| 0103         | 0.010211 | 4966301 5' similar to SW:RLA1_CHICK        |               |              |           |
|              | 5        | P18660 60S ACIDIC RIBOSOMAL                | . *           |              | . 0       |
|              | ľ        |  |               |              |           |
|              |          | PROTEIN P1. ;contains element              |               | 1            | 1         |
| ,            |          | MER22 repetitive element;)                 |               | 1 1 8        |           |
| 0770         | 0.047063 | FOT ONA L INTO FOR 10 10 10 10             | DE07000       | <del> </del> | ND OCCASO |
| 8776         |          | EST(cDNA clone IMAGE:3249148 3')           | BE673393      | 1            | NP_003109 |
| 8777         | 0.002337 | UI-E-EO1-ajc-l-12-0-UI r1 UI-E-EO1         | BM718946      | Hs.364651    |           |
|              |          | cDNA clone UI-E-EO1-ajc-l-12-0-UI 5',      | *             |              |           |
|              |          | mRNA sequence /clone=UI-E-EO1-ajc-l        | 1             |              |           |
| •            |          | 12-0-UI /clone_end=5' /gb=BM718946         | • e           |              | 1         |
|              |          | /gi=19037365 /ug=Hs.364651                 |               |              | ]         |
|              |          |  |               |              |           |

|           |               | nding To Differentially Expressed Gen |               |  | Bull In  |
|-----------|---------------|---------------------------------------|---------------|--|--|
| Spot      | p-valu        | Description                           | Gene          | Unig ne  | Prot in  |
|           |               |                                       | Accession No. | Accession  | Accession  |
| 0770      | 0.005005      | ECT/04-4                              | AA491482      | No.  | No.  |
| 8778      | 0.005325      | EST(Stratagene lung (#937210) Homo    | AA491482      |  |  |
|           |               | sapiens cDNA clone IMAGE:841389 5     |               |  |  |
|           |               | )                                     |               | tal to the contract of the con | 1  |
| 8780      | 0.030249      | MR2-CI0186-291100-010-a06 CI0186      | BF814502      | Hs.446594  |  |
|           |               | cDNA, mRNA sequence /gb=BF814502      | . 4.          |  |  |
|           |               | /gi=12147047 /ug=Hs.446594 /len=530   |               |  |  |
|           |               |                                       |               |  |  |
| 8787      | 0.009388      | CLK4 mRNA sequence                    | AF212224      | Hs.406557  |  |
| . ,       |               | /cds=(154,1515) /gb=AF212224          |               |  |  |
|           | S (           | /gi=9437514 /ug=Hs.406557 /len=1865   |               | 1 .  | : *  |
|           |               | 3                                     | 31            |  |  |
| 8794      | 0.005325      | AGENCOURT_8475922                     | BQ721341      | Hs.128076  | and the state of t |
| 1.        | 3.555520      | Lupski_sympathetic_trunk cDNA clone   |               | 1. 1-1-1-1-1   |  |
|           |               | IMAGE:6195208 5', mRNA sequence       |               |  |  |
|           |               | /clone=IMAGE:6195208 /clone_end=5'    |               |  |  |
|           |               | /gb=BQ721341 /gi=21860238             |               |  | *  |
|           |               |                                       |               | 3.0  |  |
| اوبولوس ا | Agi i dali    | /ug=Hs.128076 /len=1186               | eg steppist i |  |  |
|           |               |                                       |               | <u> </u>   |  |
| 8795      | 0.02801       | mRNA; cDNA DKFZp451B1818 (from        | AL832623      | Hs.77554   |  |
|           |               | clone DKFZp451B1818) /gb=AL832623     |               |  |  |
| •         |               | /gi=21733198 /ug=Hs.77554 /len=6240   |               |  | 1  |
|           |               |                                       |               |  |  |
| 8796      | 0.006463      | ESTs, cDNA, 3' end /clone=UI-E-EJ0-   | BM681301      | Hs.355029  |  |
| ta e e    | -             | aii-l-19-0-Ul /clone end=3'           |               |  | * * * *  |
|           |               | /gb=BM681301 /gi=18991197             |               |  |  |
|           |               | /ug=Hs.355029 /len=591                |               |  |  |
| 8797      | 0.010277      | ESTs, cDNA, 5' end                    | BG697291      | Hs.374415.   | NP 112200  |
| 0,0,      | 0.010277      | /clone=IMAGE:4803370 /clone end=5     | 2000/201      | 110.01 1110.   |  |
| - 3       | ٠.            | /gb=BG697291 /gi=13963346             | (-            |  |  |
|           | · · · · · / * |                                       | 0 2 3         |  |  |
|           | the graphs    | /ug=Hs.374415 /len=909                | X             |  |  |
| 0700      | 0.004504      |                                       | 1114 000470   | 70000  | ND 000464  |
| 8799      | 0.001501      | ubiquitin specific protease 7 (herpes | NM_003470     | Hs.78683   | NP_003461  |
|           | 19            | virus-associated) (USP7), mRNA        |               | ·  |  |
| •         |               | /cds=(200,3508) /gb=NM_003470         | ` .           |  |  |
|           |               | /gi=4507856 /ug=Hs.78683 /len=4022    | ,             |  |  |
| 8808      | 0.020388      | EST(cDNA clone CS0DF021YG07 5         | AL535948      |  | NP_006612  |
|           | .:            | prime )                               |               | : 2  |  |
| 8809      | 0.008566      | cDNA: FLJ23013 fis, clone LNG00740.   | AK026666      | Hs.372737  | 10   |
|           |               | /gb=AK026666 /gi=10439567             |               | 1.   |  |
|           |               | /ug=Hs.372737 /len=1909               | [             |  |  |
| •         | <u>.</u>      |                                       | *_            |  | 1  |
| 8814      | 0.032636      | UI-1-BB1p-aun-c-05-0-UI.s1            | BQ023929      | Hs.283502  |  |
|           |               | NCI_CGAP_Pl6 cDNA clone UI-1-BB1p     |               |  | 1  |
|           | 0             | aun-c-05-0-UI 3', mRNA sequence       | 1             |  | (*   |
|           |               | i ·                                   | *             |  | *  |
|           |               | Holono-III 4. DD4n over a 05 0 III    |               | •  | 1 .  |
|           |               | /clone=UI-1-BB1p-aun-c-05-0-UI        |               | 1  |  |
|           |               | /clone_end=3' /gb=BQ023929            |               |  | *  |
| -         |               | •                                     |               |  | *  |

|       |          | nding To Differ ntially Expressed Gen | es in Figure 20 - |            |                                       |
|-------|----------|---------------------------------------|-------------------|------------|---------------------------------------|
| Spot  | p-value  | Description                           | Gene              | Unigene    | Protein                               |
|       |          |                                       | Accession No.     | Accession  | Accession                             |
|       |          | 7                                     |                   | No.        | No.                                   |
| 8836_ |          | No significant match                  | SEQ.ID.No.33      |            |                                       |
| 8837  |          | no significant match                  | SEQ.ID.No.39      |            |                                       |
| 8839  |          | No significant match, ORF-1(3~472)    | SEQ.ID.No.49      |            |                                       |
| 8851  | 0.003539 | No significant match                  |                   |            |                                       |
|       |          | (ORF:+3:3~167[166]; +1:49~167[120])   | *                 | l .        |                                       |
|       |          |                                       | SEQ.ID.No.14      |            |                                       |
| 8860  | 0.035177 | clone 23612 mRNA sequence             | U90902            | Hs.82141   | 100                                   |
|       |          | /gb=U90902 /gi=1913880                |                   |            |                                       |
| • .   |          | /ug=Hs.82141 /len=1548                | *                 | ,          |                                       |
| 8867  | 0.031362 | mRNA; cDNA DKFZp686M2414 (from        | AL832164          | Hs.282596  | 4 1                                   |
| 0001  | 9.00.002 | clone DKFZp686M2414) /gb=AL832164     | /1200/2101        | 110.202000 | 1.                                    |
| · · · | 7 1 100  | /gi=21732708 /ug=Hs 282596            |                   |            | * * * * * * * * * * * * * * * * * * * |
|       |          | /len=2712                             | 1                 |            | 61                                    |
| 8874  | 0.001979 | No significant match                  |                   |            | - 4                                   |
| 00/4  | 0.001878 |                                       | SEQ.ID.No.26      |            |                                       |
| 0007  | 0.00000  | (ORF:+1:256~491[237])                 | SEQ.ID.No.16      |            |                                       |
| 8887  |          | No significant match (ORF:+3~234)     |                   | 11 044500  | ND 050400                             |
| 8908  | 0.032636 | hypothetical protein FLJ32861         | NM_144995         | Hs.344530  | NP_659432                             |
|       |          | (FLJ32861), mRNA /cds=(206,1507)      | S in              |            |                                       |
|       |          | /gb=NM_144995 /gi=21450696            |                   |            |                                       |
|       |          | /ug=Hs.344530 /len=1837               |                   |            | , .                                   |
| 8909  | 0.032636 | WW domain-containing adapter with a   | NM_100264         | Hs.70333   | NP_567823                             |
|       |          | coiled-coil region (WAC), transcript  |                   |            |                                       |
|       |          | variant 2, mRNA /cds=(332,2140)       |                   |            |                                       |
|       | ·        | /gb=NM_100264 /gi=18379329            |                   |            |                                       |
|       |          | /ug=Hs.70333 /len=3088                |                   |            |                                       |
| 8912  | 0.008566 | AGENCOURT 6542493                     | BM553059          | Hs.380110  |                                       |
|       |          | NIH MGC 119 cDNA clone                |                   | 4          |                                       |
|       |          | IMAGE:5742803 5', mRNA sequence       |                   | )          | 1.                                    |
| • .   |          | /clone=IMAGE:5742803 /clone_end=5'    |                   | .' .       | 21                                    |
|       |          | /gb=BM553059 /gi=18791456             |                   |            | i i                                   |
|       | 1        | /ug=Hs.380110 /len=1179               |                   | ļ.,        | # 1                                   |
|       |          | /ug=113.3001107/CH=1173               | (**)              | -          |                                       |
| 8918  | 0.013394 | EST EST72587 Ovary II cDNA 5' end     | AA362818          | p 1 00 000 | NP 057226                             |
| 8920  |          | hypothetical protein FLJ22347         | NM 022830         | Hs.106004  | NP 073741                             |
| 0920  | 0.013394 | (FLJ22347), mRNA /cds=(60,2684)       | INIVI_022030      | 113.100004 | NF_0/3/41                             |
| • , • |          |                                       | - 0               | -          |                                       |
|       | *        | /gb=NM_022830 /gi=12383073            |                   |            |                                       |
| 0005  | 0.04=000 | /ug=Hs.106004 /len=2747               | DE044540          |            | ļ.,                                   |
| 8925  | 0.017288 | EST TCBAP1D1176 Pediatric pre-B       | BE244548          |            |                                       |
|       |          | cell acute lymphoblastic leukemia     |                   | *          |                                       |
|       |          | Baylor-HGSC project=TCBA cDNA         | =                 |            |                                       |
|       |          | clone TCBAP1176                       |                   |            | <u> </u>                              |
| 8928  | 6.56E-04 | cDNA: FLJ23313 fis, clone HEP11919.   | AK026966          | Hs.10862   |                                       |
| •     |          | /gb=AK026966 /gi=10439954             |                   | *          | - X                                   |
|       |          | /ug=Hs.10862 /len=2527                |                   |            |                                       |
|       |          |                                       |                   |            |                                       |
| 8931  | 0.023945 | chromosome 21 open reading frame 6    | NM 016940         | Hs.34136   | NP_058636                             |
|       |          | (C21orf6), mRNA /cds=(92,1051)        | -                 |            | _                                     |
|       |          | /gb=NM 016940 /gi=8393017             |                   |            |                                       |
|       |          | 1.3                                   | i                 | 1          | 1                                     |

|  |          | nding To Differentially Expressed Gen    |   |                                       |             |
|--|----------|--|---|---------------------------------------|-------------|
| Spot   | p-value  | Description                              | Gene                                    | Unigen                                | Prot in     |
|  |          |  | Accession No.                           | Accession                             | Accession   |
|  |          | . •                                      |   | No.                                   | No.         |
| 8942   | 0.001193 | mRNA for Sec24 protein (Sec24A           | AJ131244                                | Hs.211612                             | - 2         |
| 00.2   |          | isoform), partial /cds=(1,3237)          |   |                                       |             |
|  | 1        | /gb=AJ131244 /gi=3947687                 |   |                                       |             |
| . 9  |          |  |   |                                       |             |
| 0050   | 0.007407 | /ug=Hs.211612 /len=5967                  | A14004004                               | 11. 7000                              |             |
| 8953   | 0.007107 | cDNA FLJ34005 fis, clone                 | AK091324                                | Hs.7626                               | 4           |
|  |          | FCBBF1000272. /gb=AK091324               |   | * 0.0                                 |             |
| ٠,   |          | /gi=21749666 /ug=Hs.7626 /len=4549       |   |                                       |             |
| 8955   | 1.53E-04 | cDNA FLJ39389 fis, clone                 | AK096708                                | Hs.120785                             |             |
| ٠,   |          | PLACE6003621 /gb=AK096708                |   | 1                                     |             |
|  |          | /gi=21756262 /ug=Hs.120785               |   | *                                     | J.          |
|  |          | /len=1350                                |   |                                       |             |
| 8961   | 0.019142 | EST (RC3-ST0197-120200-015-c04           | AW813761                                |                                       |             |
|  |          | ST0197)                                  |   | 4                                     |             |
| 8966   | 0.024732 | EST (AV764100 MDS cDNA clone             | AV764100                                |                                       |             |
| 5550   | 0.027102 | MDSBAE09 5')                             | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                       |             |
| 9077   | 0.025911 | EST(oa33c09.s1.NCI_CGAP_GCB1             | AA766521                                |                                       | 1 1 1 1 1 1 |
| 8977   | 0.025911 |  | JAA700321                               | 1.1                                   |             |
| •  |          | clone IMAGE:1306768 contains L1.t3       |   |                                       |             |
| . 1  | <u> </u> | L1 repeat)                               |   |                                       |             |
| 8978   | 0.004367 | Similar to procollagen, type V, alpha 2, | BC014149                                | Hs.162411                             |             |
| -  |          | clone IMAGE:3613441, mRNA                |   |                                       |             |
|  |          | /gb=BC014149 /gi=15559579                |   |                                       | - ;         |
|  |          | /ug=Hs.162411 /len=1335                  |   | 1.                                    |             |
| 8980   | 0.003213 | EST yq55e03.r1 Soares fetal liver        | R96686                                  |                                       |             |
|  | 4.5      | spleen 1NFLS H.sapiens cDNA clone        |   |                                       | 1           |
|  | -        | IMAGE:199708 5' similar to contains      |   |                                       |             |
|  |          | Alu repetitive element;                  |   | ,                                     |             |
| 8992   | 0.02801  | hypothetical protein MGC4677             | NM_052871                               | Hs.432419                             | NP 443103   |
| 0992   | 0.02001  |  | INIVI_03207 I                           | IU2.425419                            | 1NF_445105  |
|  |          | (MGC4677), mRNA /cds=(1337,1495)         |   |                                       |             |
| . :  |          | /gb=NM_052871 /gi=16418372               |   | *                                     | i i         |
| 1122   |          | /ug=Hs.432419 /len=1607                  |   |                                       |             |
| 8998   | 0.030249 | neuroepithelial cell transforming gene 1 | NM_005863                               | Hs.25155                              | NP_005854   |
| اد آن.<br>الحد الح                           |          | (NET1), mRNA /cds=(147,1775)             |   | , , , , , , , , , , , , , , , , , , , |             |
|  |          | /gb=NM_005863 /gi=19923326               |   |                                       | £           |
| <u>.                                    </u> | ×        | /ug=Hs.25155 /len=3236                   |   | *                                     | 7           |
| 8999   | 0.006463 | EST(AV650904 GLC cDNA clone              | AV650904                                | ·                                     | 1 1 12      |
|  |          | GLCCJF12 3')                             |   |                                       |             |
| 9006   | 0.03788  | cDNA FLJ38383 fis, clone                 | AK095702                                | Hs.433517                             |             |
|  |          | FEBRA2003726. /gb=AK095702               |   |                                       |             |
|  |          | /gi=21755022 /ug=Hs.433517               |   |                                       |             |
|  |          | /len=3240                                | (i)                                     |                                       | 3           |
| 0044   | 0.020040 |  | TEOFECA                                 |                                       | ND 000000   |
| 9011   | 0.030249 | EST(yb62b08 r1 Stratagene ovary          | T58561                                  |                                       | NP_002088   |
|  |          | (#937217) cDNA clone IMAGE:75735         |   |                                       | -           |
|  | -        | [5')                                     |   | 1 .                                   | 1           |

| C  | Genes     | Correspon | nding To Differentially Expressed Gen   |               |            |            |
|----|-----------|-----------|---|---------------|------------|------------|
| ſ  | Spot      | p-value   | Description                             | Gene          | Unigene    | Prot in    |
| ŀ  |           |           |   | Accession No. | Accession  | Accession  |
|    | i         |           |   |               | No.        | No.        |
| r  | 9017      | 0.025911  | UI-H-FH1-bfk-m-06-0-UI.s1               | BU618627      | Hs.192435  |            |
| ŀ  | -         |           | NCI_CGAP_FH1 cDNA clone UI-H-FH1        |               |            |            |
| l  |           |           | bfk-m-06-0-UI 3', mRNA sequence         |               |            |            |
| l  | * .       |           | /clone=UI-H-FH1-bfk-m-06-0-UI           |               |            |            |
| ı  |           |           | /clone_end=3' /gb=BU618627              |               |            |            |
|    |           |           | /gi=23284842 /ug=Hs.192435              |               | · '        |            |
| ı  | •         |           | /len=1099                               |               |            |            |
| H  | 9018      | 0.012526  | EST382162 MAGE resequences,             | AW970081      | Hs.325603  |            |
| ١  | 3010      | 0.012020  | MAGK cDNA, mRNA sequence                | , (****)      | 110.020000 |            |
| ı  | 00.5      | 32        | /gb=AW970081 /gi=8159926                | 0             |            |            |
| ı  |           |           | /ug=Hs.325603 /len=423                  |               |            |            |
| ŀ  | 0022      | 0.007907  |   | NM 032358     | Hs.59791   | NP 115734  |
| 1  | 9022      | 0.007807  | hypothetical protein MGC13183/          | <br>          | 10.59/91   | INF_113/34 |
| 1  |           |           | (MGC13183), mRNA /cds=(94,1560)         |               |            |            |
| 3  |           |           | /gb=NM_032358 /gi=14150164              | *             |            |            |
| ŀ  | - 22-12-7 |           | /ug=Hs.59791 /len=2299                  | D11000004     |            |            |
|    | 9042      | 0.047031  | UI-CF-FN0-aeu-b-13-0-UI.s1 UI-CF-       | BU689604      | Hs.273830  |            |
| 1  | -2-       | •         | FN0 cDNA clone UI-CF-FN0-aeu-b-13-      |               |            |            |
|    |           |           | 0-UI 3', mRNA sequence /clone=UI-CF-    | *             | 1 // 1     |            |
| 1  |           |           | FN0-aeu-b-13-0-UI /clone_end=3'         |               |            |            |
| ı  |           |           | /gb=BU689604 /gi=23547505               |               |            |            |
| ı  |           | :         | /ug=Hs.273830 /len=1066                 |               |            |            |
| ſ  | 9046      | 0.022106  | EST(xa08a12.x1                          | AW074833      |            |            |
| 1  |           | 0.        | Soares_NFL_T_GBC_S1 cDNA clone          |               |            |            |
| 1  |           |           | IMAGE:2567710 3')                       |               |            |            |
| T  | 9050      | 0.001501  | cDNA FLJ25252 fis, clone STM03814.      | AK057981      | Hs.16979   | 7 7 7      |
| ١  |           |           | /gb=AK057981 /gi=16553973               |               |            |            |
| 4  |           | * *       | /ug=Hs.16979 /len=2005                  |               |            |            |
| ŀ  | 9053      | 0.006463  | UI-H-FL1-bgw-f-18-0-UI.s1               | BU634141      | Hs.32163   |            |
| 1  |           |           | NCI_CGAP_FL1 cDNA clone UI-H-FL1-       |               |            |            |
| ١  |           |           | bgw-f-18-0-UI 3', mRNA sequence         | ·             | :          |            |
| ÷  |           |           | /clone=UI-H-FL1-bgw-f-18-0-UI           | o *           | 5.1.       |            |
| ** |           |           | /clone_end=3' /gb=BU634141              |               |            |            |
|    |           |           | /gi=23301396 /ug=Hs.32163 /len=1068     |               |            |            |
| ļ  |           |           | 191-2330 1390 /dg-118.32 103 /left-1000 |               |            |            |
| ŀ  | 9059      | 0.022106  | tumor endothelial marker 7-related      | NM 032812     | Hs.33033   | NP 116201  |
| 1  | 9059      | 0.022100  |   | 14141_032012  | 115.55055  | 110201     |
| ١  |           |           | precursor (TEM7R), mRNA                 |               | İ          |            |
| ١  | + 4       |           | /cds=(10,1599) /gb=NM_032812            |               |            | -χ-        |
| -  |           | *         | /gi=17511212 /ug=Hs.33033 /len=2160     |               |            |            |
| ŀ  |           |           |   | 1150000       |            | NID 050007 |
|    | 9060      | 0.008566  | EST(yq85a08.s1 Soares fetal liver       | H53800        |            | NP_056067  |
| 1  |           |           | spleen 1NFLS clone IMAGE:202550 3')     | 7             |            |            |
| L  |           |           |   |               |            |            |
|    | 9061      | 0.002565  | cDNA FLJ33960 fis, clone                | AK091279      | Hs.126465  |            |
|    |           |           | CTONG2018843. /gb=AK091279              |               |            |            |
| 1  |           | 1         | /gi=21749612 /ug=Hs.126465              |               |            |            |
|    |           |           | /len=2849                               | ·             |            |            |
|    | 9063      | 0.035177  | clone 23612 mRNA sequence               | U90902        | Hs.82141   |            |
|    |           |           | /gb=U90902 /gi=1913880                  |               |            | 20         |
| 1  |           |           | /ug=Hs.82141 /len=1548                  |               | 1          | 1          |

|             |          | nding To Diff rentially Expressed Gen |               |               |            |
|-------------|----------|---------------------------------------|---------------|---------------|------------|
| Spot        | p-value  | Description                           | Gene          | Unigene       | Protein    |
|             |          |                                       | Accession No. | Accession     | Accession  |
| 600E        | 0.010704 |                                       | A14/04/5000   | No.           | No.        |
| 9065        | 0.018784 | UI-H-BI0p-abb-b-05-0-UI.s1            | AW015262      | Hs.440665     |            |
|             |          | NGI_CGAP_Sub2 cDNA clone              | 4             |               |            |
|             |          | IMAGE:2711001 3', mRNA sequence       |               |               | 2          |
|             |          | /clone=IMAGE:2711001 /clone_end=3     |               |               |            |
|             | ·        | /gb=AW015262 /gi=5863949              |               | ٠.            |            |
|             |          | /ug=Hs.440665 /len=854                |               |               |            |
| 9078        | 0.001062 | cDNA FLJ13207 fis, clone              | AK023269      | Hs.14355      |            |
|             |          | NT2RP4000023. /gb=AK023269            | 1             |               |            |
| , ,         |          | /gi=10435128 /ug=Hs.14355 /len=2633   | * *           |               |            |
| ·           | 8        |                                       | *             |               |            |
| 9079        | 0.025911 | cDNA FLJ38641 fis, clone              | AK095960      | Hs.24831      |            |
|             |          | HHDPC2003983. /gb=AK095960            | ,             | × .           | 1 1        |
|             |          | /gi=21755328 /ug=Hs.24831 /len=2685   |               |               |            |
|             |          | 79. 211 00020 749-110.2100 17611 2000 |               |               |            |
| 102         | 0.027314 | cDNA FLJ10071 fis, clone              | AK000933      | Hs.28661      |            |
| ,           | 0.027014 | HEMBA1001702. /gb=AK000933            | 7111000000    | 1113.20001    |            |
| i i i i     |          | /gi=7021908 /ug=Hs.28661 /len=2570    |               |               |            |
| 9113        | 0.042700 | chromosome 9 open reading frame 19    | NM 022343     | Hs.302766     | NP 071738  |
| 9113        | 0.043799 |                                       | INIVI_UZZ343  | IUS:305100    | NP_0/ 1/30 |
|             |          | (C9orf19), mRNA /cds=(35,499)         |               | - A           |            |
|             |          | /gb=NM_022343 /gi=22095361            |               |               |            |
| 27.28.2.3.7 |          | /ug=Hs.302766 /len=1900               |               | 41            |            |
| 9114        |          | EST(cDNA clone IMAGE:2504565 3')      | AW009489      |               |            |
| 9115        | 0.003947 | nac28g05.x1 Lupski_sciatic_nerve      | BG151547      | Hs.302830     | 1          |
|             |          | cDNA clone IMAGE:3394737 3', mRNA     |               |               |            |
|             | 100      | sequence /clone=IMAGE:3394737         |               | (3)           |            |
|             |          | /clone_end=3' /gb=BG151547            | *             |               |            |
|             |          | /gi=12663577 /ug=Hs.302830 /len=514   |               |               |            |
|             |          |                                       |               |               | 1 1        |
|             |          | · · · · · · · · · · · · · · · · · · · |               |               |            |
| 9119        | 0.025911 | wg58a10.x1                            | AI760121      | Hs.295720     |            |
|             |          | Soares_NSF_F8_9W_OT_PA_P_S1           |               |               |            |
|             |          | cDNA clone IMAGE:2369274 3', mRNA     |               |               |            |
|             |          | sequence /clone=IMAGE:2369274         |               |               |            |
| • • . (     | 1        | /clone_end=3' /gb=Al760121            |               |               | *          |
| s)(n        |          | /gi=5175788 /ug=Hs.295720 /len=457    |               | 1             |            |
|             |          |                                       |               | *             | ,          |
| 9120        | 0.022802 | EST(cDNA clone IMAGE:4371289 5')      | BG112978      | 2004          | NP 001767  |
| 9129        |          | EST(cDNA.                             | AW896077      | <del> </del>  |            |
| 9130        | +        | CGI-18 protein (CGI-18), mRNA         | NM 015947     | Hs.121599     | NP_057031  |
| . I J U     | 3.43E-04 |                                       | 14141_013941  | 1 13. 12 1098 | 141-001001 |
|             |          | /cds=(421,1491) /gb=NM_015947         |               |               |            |
|             | * .      | /gi=7705601 /ug=Hs.121599 /len=2305   |               |               |            |
| 0404        | 0.005.01 | FOT DNA SL                            | DE040004      | 11- 00 100    | ND 055040  |
| 9131        | 2.32E-04 | ESTs, cDNA, 5' end                    | BF342391      | Hs.30469      | NP_055313  |
|             |          | /clone=IMAGE:4148900 /clone_end=5'    |               |               | -          |
|             |          | /gb=BF342391 /gi=11289392             | *             |               | 100        |
|             |          | /ug=Hs.30469 /len=803                 | -             | 1             |            |

|              |                                       | nding To Differ ntially Expressed G n                |  |            |   |
|--------------|---------------------------------------|--|--|------------|---|
| Spot         | p-value                               | Description  | Gene   | Unigene    | Protein                                 |
|              | ٠.                                    | * *  | Accession No.                                | Accession  | Accession                               |
| 7            |                                       |  |  | No.        | No.                                     |
| 9133         | 0.003563                              | UI-H-BW1-anh-g-07-0-UI.s1                            | BF514691                                     | Hs.437157  |   |
|              |                                       | NCI_CGAP_Sub7 cDNA clone                             |  |            |   |
|              |                                       | IMAGE:3082548 3', mRNA sequence                      | •  |            |   |
|              | : 1                                   | /clone=IMAGE:3082548 /clone_end=3'                   |  |            |   |
| ٠.           |                                       | /gb=BF514691 /gi=11599870                            | ,  |            |   |
|              |                                       | /ug=Hs.437157 /len=608                               | 9  |            |   |
| *            | 100 · 1                               |  |  |            |   |
| 9134         | 0.002096                              |  | AI377292                                     | Hs.410753  |   |
|              | 341                                   | cDNA clone IMAGE:2091553 3', mRNA                    |  |            |   |
|              |                                       | sequence /clone=IMAGE:2091553                        |  | * .        |   |
|              |                                       | /clone_end=3' /gb=Al377292                           | 1  |            | *                                       |
|              |                                       | /gi=4187145 /ug=Hs.410753 /len=238                   | 0 8 0  |            |   |
| •            | · · · · · · · · · · · · · · · · · · · |  |  |            | <u> </u>                                |
| 9153         | 0.025911                              | AGENCOURT_8584280                                    | BQ876563                                     | Hs.346743  |   |
|              |                                       | Lupski_sympathetic_trunk cDNA clone                  | ·  |            |   |
|              |                                       | IMAGE:6192820 5', mRNA sequence                      |  |            |   |
| 4            |                                       | /clone=IMAGE:6192820 /clone_end=5'                   |  |            |   |
|              |                                       | /gb=BQ876563 /gi=22268571                            |  |            |   |
|              |                                       | /ug=Hs.346743 /len=925                               |  |            | 130                                     |
|              |                                       |  | <u>.                                    </u> | *          |   |
| 9154         | 0.014599                              | mRNA; cDNA DKFZp564B213 (from                        | AL049240                                     | Hs.380268  |   |
|              |                                       | clone DKFZp564B213) /gb=AL049240                     |  |            |   |
| - 20         |                                       | /gi=4499973 /ug=Hs.380268 /len=767                   |  |            |   |
| 9155         | 0.009388                              | cDNA FLJ36544 fis, clone                             | AK093863                                     | Hs.101689  |   |
|              | 1                                     | TRACH2006378. /gb=AK093863                           |  |            | * |
|              |                                       | /gi=21752807 /ug=Hs:101689                           | . :  |            |   |
| 0.457        | 0.010=0.1                             | /len=2670  |  | 11. 10000  | 27375 Q T 18                            |
| 9157         | 0.018784                              | mRNA; cDNA DKFZp451O1818 (from                       | AL832650                                     | Hs.12396   |   |
| e soli a     |                                       | clone DKFZp451O1818) /gb=AL832650                    |  | G          |   |
|              |                                       | /gi=21733226 /ug=Hs.12396 /len=4870                  |  |            |   |
| 0450         | 0.047004                              | FL 144077 51 DI A 0 E 40000 44                       | A12007700                                    |            | ND 000040                               |
| 9158         | 0.047031                              | FLJ14877 fis, clone PLACE1003044                     | AK027783                                     | Hs 200073  | NP_060918                               |
|              |                                       | /cds=(117,1328) /gb=AK027783                         |  |            |   |
|              |                                       | /gi=14042716 /ug=Hs.200073                           | 0 ,  | • •        |   |
| 9174         | 0.000566                              | /len=2786<br>UI-E-EJ0-ahs-e-16-0-UI.r1 UI-E-EJ0      | BM714718                                     | Hs.446458  |   |
| 9174         | 0.000000                              | cDNA clone UI-E-EJ0-ahs-e-16-0-UI 5',                | DIVI/ 14/ 10                                 | Ins.440456 | . *                                     |
|              |                                       | mRNA sequence /clone=UI-E-EJ0-ahs-                   |  |            |   |
|              | 7                                     |  | *  | 0          |   |
|              |                                       | e-16-0-UI /clone_end=5'<br>/gb=BM714718 /gi=19027976 |  |            |   |
| -            |                                       | /ug=Hs.446458 /len=1136                              |  |            |   |
| 0170         | 0.022626                              |  | AVA/612522                                   |            | ND 065000                               |
| 9178<br>9191 | <del></del>                           | EST(cDNA clone IMAGE:2954041 3')                     | AW612522                                     | He 24ECO2  | NP_065898                               |
| וטויכ        | 1.0.035177                            | xe48d03.x1 NCI_CGAP_Ut3 cDNA                         | AW080070                                     | Hs.245603  |   |
|              |                                       | clone IMAGE:2611109 3', mRNA                         |  |            |   |
|              |                                       | sequence /clone=IMAGE:2611109                        |  |            |   |
| -            |                                       | /clone_end=3' /gb=AW080070                           |  |            |   |
| *            |                                       | /gi=6035222 /ug=Hs.245603 /len=479                   |  | L          | <u>·</u>                                |

| Sequence /clone=   |                         |                |                                       | 1,175        |
|--|-------------------------|----------------|---------------------------------------|--------------|
|  |                         | Gene           | Unigene                               | Protein      |
|  |                         | Accession No.  | Accession                             | Accession    |
|  |                         |                | No.                                   | No.          |
|  | is clone HFP09071       | AK026938       | Hs.406650                             | 140.         |
| Public   P   |                         |                | 113.40000                             |              |
| 9232 0.032636 clone IMAGE:526 /gb=BC037736 /gi /ug=Hs.397840 /le 9236 0.047031 cDNA FLJ38586 fHCHON2009384. /gi=21755256 /ug /len=2631 9240 0.004367 cDNA /gb=AW97 /ug=Hs.193559 /le 9254 0.032636 wf29f08.x1 Soare cDNA clone IMAG sequence /clone= /clone_end=3' /gb /gi=5448138 /ug= 9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug= 9271 0.012276 fj53d02.x1 adult b 3' similar to SW:E ELONGATION F/ PLACE1001399 /gi=7023355 /ug= 9275 0.011238 ESTs, cDNA, 5' e /clone=IMAGE:38 /gb=BF035134 /gi /ug=Hs.195789 /le element; contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g   |                         |                |                                       |              |
| /gb=BC037736 /gi   | n=2245                  |                |                                       | <i>'</i> .   |
| /gb=BC037736 /gi   | 1                       |                |                                       |              |
|  |                         | BC037736       | Hs.397840                             |              |
| 9236   | =23337068               |                | ,                                     |              |
| HCHON2009384.   /gi=21755256 /ugi   /len=2631     9240   0.004367   cDNA /gb=AW97   /ug=Hs.193559 /le     9254   0.032636   wf29f08.x1 Soare cDNA clone IMAG sequence /clone=   /clone_end=3' /gb   /gi=5448138 /ug=     9260   0.015895   eukaryotic transla gamma, 2 (EIF4G   /cds=(307,3030) / /gi=4503538 /ug=     9268   0.023945   cDNA FLJ10976 ft   PLACE1001399   /gi=7023355 /ug=     9271   0.012276   fj53d02.x1 adult b   3' similar to SW:E ELONGATION F/   /clone=IMAGE:38   /gb=BF035134 /g   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /clone=IMAGE:88   /gb=AA669458 /g   /ug=AA669458 /g   /ug=AA669458 /g  | n=3811                  |                | * *                                   |              |
| HCHON2009384.   /gi=21755256 /ugi   /len=2631     9240   0.004367   cDNA /gb=AW97   /ug=Hs.193559 /le     9254   0.032636   wf29f08.x1 Soare cDNA clone IMAG sequence /clone=   /clone_end=3' /gb   /gi=5448138 /ug=     9260   0.015895   eukaryotic transla gamma, 2 (EIF4G   /cds=(307,3030) / /gi=4503538 /ug=     9268   0.023945   cDNA FLJ10976 ft   PLACE1001399   /gi=7023355 /ug=     9271   0.012276   fj53d02.x1 adult b   3' similar to SW:E ELONGATION F/   /clone=IMAGE:38   /gb=BF035134 /g   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /ug=Hs.195789 /le   /clone=IMAGE:88   /gb=AA669458 /g   /ug=AA669458 /g   /ug=AA669458 /g  | s, clone                | AK095905       | Hs.293821                             |              |
| /gi=21755256 /ugi   /len=2631     9240   0.004367   cDNA /gb=AW97 / /ug=Hs.193559 /le     9254   0.032636   wf29f08.x1 Soare cDNA clone IMAG sequence /clone= /clone_end=3' /gb /gi=5448138 /ug=     9260   0.015895   eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=     9268   0.023945   cDNA FLJ10976 ft PLACE1001399 /gi=7023355 /ug=     9271   0.012276   fj53d02.x1 adult part of similar to SW:EELONGATION F/Clone=IMAGE:38 /gb=BF035134 /g /ug=Hs.195789 /le     9298   0.007807   ad47h05.s1 Strata 937218 cDNA closimilar to gb:X519 ENOLASE Alu rejelement; contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         | and the second |                                       |              |
|  |                         |                |                                       |              |
| 9240 0.004367 cDNA /gb=AW97 /ug=Hs.193559 /le 9254 0.032636 wf29f08.x1 Soare cDNA clone IMAG sequence /clone= /clone_end=3' /gb /gi=5448138 /ug=  9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268 0.023945 cDNA FLJ10976 ft PLACE1001399 /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/GONGATIO | 113.255021              |                |                                       | +            |
| Jug=Hs.193559 / le   9254   0.032636   wf29f08.x1 Soare  | 792 /ai=0161620         | AW971782       | Hs.193559                             | NP_079130    |
| 9254 0.032636 wf29f08.x1 Soare cDNA clone IMAG sequence /clone= /clone_end=3' /gb /gi=5448138 /ug=  9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268 0.023945 cDNA FLJ10976 ft PLACE1001399 /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/GIST STATE ELONGATION F/GIST STATE S |                         | Avvariroz      | IUS. 183008                           | NP_0/9130    |
| cDNA clone IMAG sequence /clone= /clone_end=3' /gb /gi=5448138 /ug=  9260  0.015895  eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268  0.023945  cDNA FLJ10976 ft PLACE1001399. /gi=7023355 /ug=  9271  0.012276  fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/Glone=IMAGE:38 /gb=BF035134 /g /ug=Hs.195789 /lg  9298  0.007807  ad47h05.s1 Strate 937218 cDNA closimilar to gb:X519 ENOLASE Alu rejelement; contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         |                |                                       |              |
| 9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268 0.023945 cDNA FLJ10976 f PLACE1001399 / /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult b 3' similar to SW:E ELONGATION F/ (2000) ESTS, cDNA, 5' e /clone=IMAGE:38 /gb=BF035134 /g /ug=Hs.195789 /le /ug=Hs.19579 |                         | Al827467       | Hs.245510                             |              |
| Clone_end=3' /gb   /gi=5448138 /ug=    9260  | E:2357031 3', mRNA      |                |                                       |              |
| 9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268 0.023945 cDNA FLJ10976 ft PLACE1001399 / /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/G /clone=IMAGE:38 /gb=BF035134 /gi /ug=Hs.195789 /left /gip=18 / | MAGE:2357031            |                |                                       |              |
| 9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268 0.023945 cDNA FLJ10976 ft PLACE1001399 / /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/G /clone=IMAGE:38 /gb=BF035134 /gi /ug=Hs.195789 /left /gip=18 / | =Al827467               |                |                                       |              |
| 9260 0.015895 eukaryotic transla gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268 0.023945 CDNA FLJ10976 ft PLACE1001399 / /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/GLONGATION F |                         |                |                                       |              |
| gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268   |                         |                |                                       |              |
| gamma, 2 (EIF4G /cds=(307,3030) / /gi=4503538 /ug=  9268   | ion initiation factor 4 | NM_001418      | Hs.183684                             | NP 001409    |
| 9268 0.023945 cDNA FLJ10976 1 PLACE1001399 /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult b 3' similar to SW:E ELONGATION F/ 9275 0.011238 ESTs, cDNA, 5' e /clone=IMAGE:38 /gb=BF035134 /g /ug=Hs.195789 /le 9298 0.007807 ad47h05.s1 Strate 937218 cDNA clo similar to gb:X519 ENOLASE Alu rej element; contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         | INIVI_00 14 10 | 1115.103004                           | NF_001409    |
| 9268 0.023945 cDNA FLJ10976 ft PLACE1001399. /gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult bg 3' similar to SW:EELONGATION F/ ELONGATION F/ (clone=IMAGE:38) /gb=BF035134 /gi/ (ug=Hs.195789 /less) /gi=70238 cDNA closimilar to gb:X519 ENOLASE Alu referent, contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         |                |                                       |              |
| 9268 0.023945 CDNA FLJ10976 6 PLACE1001399 / gi=7023355 /ug=  9271 0.012276 fj53d02.x1 adult b 3' similar to SW:E ELONGATION F/ 9275 0.011238 ESTs, cDNA, 5' e /clone=IMAGE:38 /gb=BF035134 /gi /ug=Hs.195789 /le  9298 0.007807 ad47h05.s1 Strate 937218 cDNA clo similar to gb:X519 ENOLASE Alu rej element;contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         | 1.0            |                                       |              |
| 9271 0.012276 fj53d02.x1 adult b<br>3' similar to SW:E<br>ELONGATION F/<br>9275 0.011238 ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /gi<br>/ug=Hs.195789 /le<br>9298 0.007807 ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element, contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  | -ls.183684 /len=3820    |                |                                       |              |
| 9271 0.012276 fj53d02.x1 adult b<br>3' similar to SW:E<br>ELONGATION F/<br>9275 0.011238 ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /gi<br>/ug=Hs.195789 /le<br>9298 0.007807 ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element;contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   |                         |                |                                       |              |
| 9271   0.012276   fj53d02.x1 adult b<br>3' similar to SW:E<br>ELONGATION F/<br>9275   0.011238   ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /gi<br>/ug=Hs.195789 /le<br>9298   0.007807   ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element; contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  | is, clone               | AK001838       | Hs.355608                             |              |
| 9271   0.012276   fj53d02.x1 adult b<br>3' similar to SW:E<br>ELONGATION F/<br>9275   0.011238   ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /gi<br>/ug=Hs.195789 /le<br>9298   0.007807   ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element; contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  | gb=AK001838             |                | · · · · · ·                           |              |
| 9271 0.012276 fj53d02.x1 adult b<br>3' similar to SW:E<br>ELONGATION FA<br>9275 0.011238 ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /g<br>/ug=Hs.195789 /le<br>9298 0.007807 ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element;contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  | Hs.355608 /len=2116     |                | · · · · · · · · · · · · · · · · · · · | , v          |
| 3' similar to SW:E<br>ELONGATION F/<br>9275 0.011238 ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /gi<br>/ug=Hs.195789 /le<br>9298 0.007807 ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element, contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  |                         |                |                                       |              |
| 3' similar to SW:E<br>ELONGATION F/<br>9275 0.011238 ESTs, cDNA, 5' e<br>/clone=IMAGE:38<br>/gb=BF035134 /gi<br>/ug=Hs.195789 /le<br>9298 0.007807 ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element; contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  | rain Danio rerio cDNA   | Δ\//281691     |                                       | 11 11        |
| 9275 0.011238 ESTs, cDNA, 5' e /clone=IMAGE:38 /gb=BF035134 /gi /ug=Hs.195789 /le  9298 0.007807 ad47h05.s1 Strata 937218 cDNA clo similar to gb:X519 ENOLASE Alu rejelement, contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         | 7.11201001     | ļ. ·                                  |              |
| 9275 0.011238 ESTs, cDNA, 5' e /clone=IMAGE:38 /gb=BF035134 /g /ug=Hs.195789 /le  9298 0.007807 ad47h05.s1 Strate 937218 cDNA closimilar to gb:X519 ENOLASE Alu rejelement;contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g   |                         |                |                                       |              |
| /clone=IMAGE:38 /gb=BF035134 /gi /ug=Hs.195789 /le  9298    0.007807    ad47h05.s1 Strata 937218 cDNA clo similar to gb:X519 ENOLASE Alu rej element;contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g   |                         | DE005404       | 11: 405700                            |              |
| /gb=BF035134 /gi /ug=Hs.195789 /le  9298    0.007807    ad47h05.s1 Strata 937218 cDNA clo similar to gb:X519 ENOLASE Alu rej element; contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g  |                         | BF035134       | Hs.195789                             |              |
| 9298 0.007807 ad47h05.s1 Strata 937218 cDNA clo similar to gb:X519 ENOLASE Alu rej element;contains repetitive element /clone=IMAGE:88 /gb=AA669458 /g   |                         |                |                                       |              |
| 9298 0.007807 ad47h05.s1 Strata<br>937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element,contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  |                         |                |                                       |              |
| 937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element;contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   | n=847                   |                |                                       |              |
| 937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element;contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   |                         |                | 1                                     |              |
| 937218 cDNA clo<br>similar to gb:X519<br>ENOLASE Alu rej<br>element;contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   | agene lung carcinoma    | AA669458       | Hs.445542                             |              |
| similar to gb:X519<br>ENOLASE Alu rej<br>element;contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g  | •                       |                |                                       |              |
| ENOLASE Alu rej<br>element; contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   |                         | *              |                                       |              |
| element,contains<br>repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   |                         |                |                                       |              |
| repetitive element<br>/clone=IMAGE:88<br>/gb=AA669458 /g   |                         | 1              |                                       |              |
| /clone=IMAGE:88<br>/gb=AA669458 /g   |                         | *              |                                       |              |
| /gb=AA669458 /g  |                         |                |                                       |              |
| 1 -  | 4889 /clone_end=3'      |                |                                       |              |
| 1 1 -  | =2630957                | *              |                                       |              |
| /ug=Hs.445542 /le  |                         | · .            | - X-                                  | -1           |
| .  |                         |                |                                       |              |
| 9303 0.015895 No significant ma  | rch                     | SEQ.ID.No.29   | 1                                     | <del> </del> |
| 9307 3.95E-04 No significant ma  |                         | SEG.1D.140.23  |                                       | <del> </del> |
| ORE+3(276~407)   |                         | SEQ.ID.No.51   |                                       |              |

| 9318- (<br>9328 (<br>9350 (<br>9352 (<br>9355 )<br>9386 (<br>9390 ( | 0.032636<br>0.014599<br>0.004367<br>0.007807<br>0.017288<br>7.41E-04<br>0.012276 | No significant match (ORF:-<br>3:4~240[237])<br>cDNA: FLJ21243 fis, clone COL01164.<br>/gb=AK024896 /gi=10437310<br>/ug=Hs.268016 /len=1880  | G ne<br>Accession No.<br>SEQ.ID.No.78<br>SEQ.ID.No.102<br>T97113<br>SEQ.ID.No.87<br>SEQ.ID.No.92<br>SEQ.ID.No.19<br>AK024896 | Unigene<br>Accession<br>No.  Hs.268016 | Protein<br>Accession<br>No.<br>NP_055559 |
|---|--|--|--|--|--|
| 9318- (<br>9328 (<br>9350 (<br>9352 (<br>9355 )<br>9386 (<br>9390 ( | 0.014599<br>0.004367<br>0.007807<br>0.017288<br>7.41E-04<br>0.012276<br>6.56E-04 | No significant match EST(fetal liver spleen 1NFLS cDNA clone IMAGE:120299 5') No significant match, ORF+2(389~530)  Novel No significant match (ORF:- 3:4~240[237]) cDNA: FLJ21243 fis, clone COL01164. /gb=AK024896 /gi=10437310 /ug=Hs.268016 /len=1880  ribosomal protein L13a (RPL13A), mRNA /cds=(23,634) /gb=NM_012423 | SEQ.ID.No.78 SEQ.ID.No.102 T97113 SEQ.ID.No.87 SEQ.ID.No.92 SEQ.ID.No.19 AK024896  | No. Hs.268016                          | No.                                      |
| 9318- (<br>9328 (<br>9350 (<br>9352 (<br>9355 )<br>9386 (<br>9390 ( | 0.014599<br>0.004367<br>0.007807<br>0.017288<br>7.41E-04<br>0.012276<br>6.56E-04 | No significant match EST(fetal liver spleen 1NFLS cDNA clone IMAGE:120299 5') No significant match, ORF+2(389~530)  Novel No significant match (ORF:- 3:4~240[237]) cDNA: FLJ21243 fis, clone COL01164. /gb=AK024896 /gi=10437310 /ug=Hs.268016 /len=1880  ribosomal protein L13a (RPL13A), mRNA /cds=(23,634) /gb=NM_012423 | SEQ.ID.No.102<br>T97113<br>SEQ.ID.No.87<br>SEQ.ID.No.92<br>SEQ.ID.No.19<br>AK024896  | Hs.268016                              | NP_055559                                |
| 9328 (<br>9350 (<br>9352 (<br>9355 )<br>9386 (<br>9390 (            | 0.004367<br>0.007807<br>0.017288<br>7.41E-04<br>0.012276<br>6.56E-04             | EST(fetal liver spleen 1NFLS cDNA clone IMAGE:120299 5') No significant match, ORF+2(389~530)  Novel No significant match (ORF:- 3:4~240[237]) cDNA: FLJ21243 fis, clone COL01164. /gb=AK024896 /gi=10437310 /ug=Hs.268016 /len=1880  ribosomal protein L13a (RPL13A), mRNA /cds=(23,634) /gb=NM_012423                      | T97113  SEQ.ID.No.87 SEQ.ID.No.92  SEQ.ID.No.19 AK024896   |  | NP_055559                                |
| 9350 (<br>9352 (<br>9355 )<br>9386 (<br>9390 (                      | 0.007807<br>0.017288<br>7.41E-04<br>0.012276<br>6.56E-04                         | clone IMAGE:120299 5') No significant match, ORF+2(389~530)  Novel No significant match (ORF:- 3:4~240[237]) cDNA: FLJ21243 fis, clone COL01164. /gb=AK024896 /gi=10437310 /ug=Hs.268016 /len=1880  ribosomal protein L13a (RPL13A), mRNA /cds=(23,634) /gb=NM_012423  | SEQ.ID.No.87<br>SEQ.ID.No.92<br>SEQ.ID.No.19<br>AK024896   |  |  |
| 9352 (<br>9355 )<br>9386 (<br>9390 (                                | 0.007807<br>0.017288<br>7.41E-04<br>0.012276<br>6.56E-04                         | No significant match, ORF+2(389~530)  Novel  No significant match (ORF:- 3:4~240[237]) cDNA: FLJ21243 fis, clone COL01164. /gb=AK024896 /gi=10437310 /ug=Hs.268016 /len=1880  ribosomal protein L13a (RPL13A), mRNA /cds=(23,634) /gb=NM_012423  | SEQ ID No.19<br>SEQ ID No.19<br>AK024896   |  |  |
| 9355 9386 (<br>9390 (   | 7.41E-04<br>0.012276<br>6.56E-04   | No significant match (ORF:-<br>3:4~240[237])<br>cDNA: FLJ21243 fis, clone COL01164.<br>/gb=AK024896 /gi=10437310<br>/ug=Hs.268016 /len=1880<br>ribosomal protein L13a (RPL13A),<br>mRNA /cds=(23,634) /gb=NM_012423  | SEQ ID No.19<br>SEQ ID No.19<br>AK024896   |  |  |
| 9355<br>9386<br>9390  | 7.41E-04<br>0.012276<br>6.56E-04   | No significant match (ORF:-<br>3:4~240[237])<br>cDNA: FLJ21243 fis, clone COL01164.<br>/gb=AK024896 /gi=10437310<br>/ug=Hs.268016 /len=1880<br>ribosomal protein L13a (RPL13A),<br>mRNA /cds=(23,634) /gb=NM_012423  | SEQ.ID.No.19<br>AK024896   |  |  |
| 9390 (  | 0.012276<br>6.56E-04   | cDNA: FLJ21243 fis, clone COL01164.<br>/gb=AK024896 /gi=10437310<br>/ug=Hs.268016 /len=1880<br>ribosomal protein L13a (RPL13A),<br>mRNA /cds=(23,634) /gb=NM_012423  | AK024896   |  | NP_036555                                |
|   | 6.56E-04   | /ug=Hs.268016 /len=1880<br>ribosomal protein L13a (RPL13A),<br>mRNA /cds=(23,634) /gb=NM_012423  | NM_012423  | Hs.389335                              | NP_036555                                |
|   |  | mRNA /cds=(23,634) /gb=NM_012423   | NM <u>'</u> 012423   | Hs.389335                              | NP_036555                                |
| 9392 (  |  | /gi=14591905 /ug=Hs 389335   |  |  |  |
| 9392 (  |  | /len=1142  |  |  |  |
|   |  | AGENCOURT_6400386 NIH_MGC_67 cDNA clone IMAGE:5495662 5', mRNA   | ВМ799714   | Hs.356635                              |  |
|   |  | sequence /clone=IMAGE:5495662  | 7  |  |  |
|   |  | /clone_end=5' /gb=BM799714   |  |  |  |
|   |  | /gi=19116537 /ug=Hs.356635   |  |  | 1  |
| *   |  | /len=1153  |  |  |  |
| 9400 (  | 0.002096   | SKB1 (S. pombe) (SKB1), mRNA   | NM_006109  | Hs.12912                               | NP 006100                                |
|   |  | /cds=(92,2005) /gb=NM_006109   |  |  |  |
|   |  | /gi=20070219 /ug=Hs.12912 /len=2413  | (2)  | *                                      |  |
| 9405 (  | 0.010277   | ferritin, light polypeptide (FTL), mRNA<br>/cds=(189,716) /gb=NM_000146  | NM_000146  | Hs.430150                              | NP_000137                                |
|   |  | /gi=20149497 /ug=Hs.430150 /len=878  |  |  | *  |
| 9423 (  | 0.032636   | vesicle amine transport protein 1 (T californica) (VAT1), mRNA   | NM_006373  | Hs.157236                              | NP_006364                                |
|   |  | /cds=(57,1238) /gb=NM_006373   |  | 6                                      | *  |
| * -   | *  | /gi=18379348 /ug=Hs.157236<br>/len=2738  |  |  | 1  |
| 9424 (  |  | MCM4 (MCM4) and DNA-PKcs<br>(PRKDC) genes, partial cds   | U63630   |  |  |
| 9431 (  |  | chromosome 11 open reading frame 24 (C11orf24), mRNA /cds=(403,1752)   | NM_022338  | Hs.303025                              | NP_071733                                |
|   | *  | /gb=NM_022338 /gi=11641238   |  | ~                                      | ·  |
|   | *  | /ug=Hs.303025 /len=2058  |  | *                                      |  |
| 9442 (  | 0.001193   | GTP binding protein overexpressed in   | NM_005261  | Hs.79022                               | NP_005252                                |
|   |  | skeletal muscle (GEM), mRNA  |  | ÷                                      |  |
|   | ٠,   | /cds=(214,1104) /gb=NM_005261<br>/gi=4885262 /ug=Hs.79022 /len=2156  |  |  |  |

|                |               | nding To Differentially Expressed Gen     |   |            |             |
|----------------|---------------|---|---|------------|-------------|
| Spot           | p-valu        | Description                               | Gene                                    | Unigene    | Protein     |
|                |               |   | Accession No.                           | Accession  | Accession   |
|                |               |   |   | No.        | No.         |
| 9445           | 0.002096      | barrier to autointegration factor         | NM_003860                               | Hs.433759  | NP_003851   |
| 5+ E+ -        | e en region d | (BCRP1), mRNA /cds=(508,777)              |   |            |             |
|                |               | /gb=NM_003860 /gi=11038645                |   |            | *           |
|                |               | /ug=Hs.433759 /len=1192                   |   | • '        |             |
| 9450           | 0.02801       | FK506 binding protein 3, 25kDa            | NM_002013                               | Hs.379557  | NP 002004   |
|                |               | (FKBP3), mRNA /cds=(412,1086)             |   | ,          | <u> </u>    |
|                |               | /gb=NM_002013 /gi=17149845                |   | 7          | •<br>= 7    |
| 4.77           | 1-1-1         | /ug=Hs.379557 /len=1420                   |   |            |             |
| 9451           | 0.00587       | phospholipase A2-activating protein       | NM_004253                               | Hs.27182   | NP_004244   |
|                |               | (PLAA), mRNA /cds=(29,2245)               |   | ]          |             |
|                |               | /gb=NM_004253 /gi=21361288                |   | *          |             |
|                | - 1           | /ug=Hs.27182 /len=3240                    |   |            |             |
| 9453.          | 0.007107      | mRNA for KIAA1705 protein, partial        | AB051492                                | Hs.7076    |             |
|                | -4<br>-1      | cds. /cds=(1714,3210) /gb=AB051492        |   |            | -           |
|                |               | /gi=12697954 /ug=Hs.7076 /len=3949        |   |            |             |
| 9455           | 0.040751      | likely ortholog of mouse tumor            | NM_020755                               | Hs.146668  | NP 065806   |
| # / <b>-</b> - | 0.0 ,0        | differentially expressed 1, like (TDE1L), | 111111111111111111111111111111111111111 |            |             |
|                |               | mRNA /cds=(76,1437) /gb=NM 020755         |   |            |             |
|                |               | /gi=24308212 /ug=Hs.146668                | 0.                                      |            |             |
|                |               | /len=3149                                 |   |            | *           |
| 9458           | 0.043799      | solute carrier family 38, member 2        | NM 018976                               | Hs.298275  | NP 061849   |
| 0-100          | 0.0.0.00      | (SLC38A2), mRNA /cds=(352,1872)           | 111111_010010                           | 113.200210 |             |
|                |               | /gb=NM_018976 /gi=21361601                | yć •                                    |            |             |
|                |               | /ug=Hs.298275 /len=4795                   |   |            | 7.0         |
| 9466           | 0.007107      | hypothetical protein FLJ10891             | NM 018260                               | Hs.274169  | NP_060730   |
| -0-400         | 0.001 107     | (FLJ10891), mRNA /cds=(128,1525)          | 14111_010200                            | 113.27-100 | 141 _000700 |
|                | 1/41          | /gb=NM_018260 /gi=8922743                 |   | -          |             |
|                |               | /ug=Hs.274169 /len=2864                   |   |            |             |
| 9479           | 0.003947      | ALS2CR18 mRNA (=cDNA FLJ12667             | AB053320                                |            | NP_079528   |
| J-77 J         | 0.000047      | fis)                                      | AB000020                                |            | 141 _073320 |
| 9486           | 0.001193      | neural precursor cell expressed,          | NM 004404                               | Hs.155595  | NP_004395   |
| 3400           | 0.001193      | developmentally down-regulated 5          | NN_004404                               | 118.195095 | 141 _004595 |
| 1.4            |               | (NEDD5), mRNA /cds=(259,1344)             |   |            |             |
|                |               | /gb=NM_004404 /gi=4758157                 |   |            |             |
|                | . *           | /ug=Hs.155595 /len=3433                   |   |            |             |
| 9491           | 6 255 05      | clone IMAGE:2960008, mRNA                 | BC017253                                | Hs.433345  |             |
| 343 I          | 0.33E-03      | /gb=BC017253 /gi=16878090                 | BC017255                                | HS.433343  |             |
|                | - 1           | /ug=Hs.433345 /len=1405                   |   |            | ÷ .         |
| 9512           | 0.047021      |   | NIM 031003                              | Hs.50252   | NP 114109   |
| 3014           | 0.047031      | mitochondrial ribosomal protein L32       | NM_031903                               | ms.50252   | 114 109     |
|                |               | (MRPL32), nuclear gene encoding           |   |            |             |
|                |               | mitochondrial protein, mRNA               | . 0                                     |            | 1           |
|                |               | /cds=(47,613) /gb=NM_031903               | ,                                       |            |             |
| ÓF 4 5         | 0.00700       | /gi=13994260 /ug=Hs.50252 /len=903        | NA 000007                               | 11- 222544 | ND 44446    |
| 9515           | 0.03/88       | beta-amyloid binding protein precursor    | NM_032027                               | Hs.333541  | NP_114416   |
|                |               | (BBP), mRNA /cds=(304,927)                | · ·                                     | ,          |             |
| •              |               | /gb=NM_032027 /gi=17738309                |   | -          | <b>.</b>    |
|                | 0             | /ug=Hs.333541 /len=1250                   |   |            |             |

| enes   | Correspo   | nding To Differentially Expressed Gen      |  | RA          | <u> </u>                              |
|--------|------------|--|--|-------------|---------------------------------------|
| Spot   | p-value    | Description                                | Gene   | Unig ne     | Protein                               |
| •      |            |  | Accession No.  | Acc ssion   | Accession                             |
|        |            | ,  |  | No.         | No.                                   |
| 9530   | 0.015895   | hypothetical protein FLJ10856              | NM 018247  | Hs.108530   | NP 060717                             |
|        |            | (FLJ10856), mRNA /cds=(148,1233)           |  |             |                                       |
|        |            | /gb=NM 018247 /gi=8922719                  |  |             |                                       |
|        |            | /ug=Hs.108530 /len=3720                    |  |             |                                       |
| 9533   | 0.000300   | hypothetical protein FLJ20303              | NM_017755  | Hs.17138    | NP_060225                             |
| 9000   | 0.009300   | •  | NIVI_0 17733   | riș. 17 130 | NF_000223                             |
| , *·   |            | (FLJ20303), mRNA /cds=(86,1681)            | ·  |             |                                       |
|        |            | /gb=NM_017755 /gi=8923284                  | · *  |             |                                       |
|        |            | /ug=Hs.17138 /len=2427                     | 555555   | 11 10000    |                                       |
| 9536   | 0.043799   | DKFZP586D0824 protein, clone               | BC032345   | Hs.128797   | NP_056475                             |
| ,      |            | MGC:40527 IMAGE:5208411, mRNA,             |  |             | -                                     |
|        |            | complete cds /cds=(65,1078)                |  |             |                                       |
| ,      |            | /gb=BC032345 /gi=21595443                  |  |             |                                       |
|        | 1          | /ug=Hs.128797 /len=1499                    |  |             |                                       |
| 543    | 0.002602   | NADH dehydrogenase (ubiquinone) Fe-        | NM_004551  | Hs 429506   | NP_004542                             |
|        |            | S protein 3, 30kDa (NADH-coenzyme Q        |  |             | _                                     |
| (4)    | 107<br>201 | reductase) (NDUFS3), mRNA                  | The state of the s | 40.0        |                                       |
|        |            | /cds=(13,807) /gb=NM_004551                | *  | ,           | e                                     |
|        |            | /gi=4758787 /ug=Hs.429506 /len=899         | i j  |             |                                       |
|        |            | 791-470070774g-113.42300071c117030         | **   |             | *                                     |
| 551    | 0.00587    | transmembrane protein vezatin              | NM 017599  | Hs.24135    | NP 060069                             |
| 3331   | 0.00387    | (VEZATIN), mRNA /cds=(177,1886)            | 14141_017.555  | 113.24100   | 141 _000003                           |
| · .' · |            |  |  |             | ·                                     |
|        |            | /gb=NM_017599 /gi=19923537                 |  |             |                                       |
| : ·    |            | /ug=Hs.24135 /len=3949                     | 45044000   |             |                                       |
| 9555   | 0.025911   | D15F37 pseudogene, S3 allele, mRNA         | AF041080   | Hs.426451   | * 17                                  |
|        |            | sequence /gb=AF041080 /gi=3660662          |  |             |                                       |
|        |            | /ug=Hs.426451 /len=6071                    |  |             |                                       |
| , .    |            |  |  |             | · · · · · · · · · · · · · · · · · · · |
| 9566   | 0.004825   | cDNA FLJ31107 fis, clone                   | AK055669   | Hs.405954   |                                       |
|        |            | IMR322000152. /gb=AK055669                 |  |             |                                       |
| . (    |            | /gi=16550452 /ug=Hs.405954                 |  |             |                                       |
|        |            | /len=2250                                  |  |             |                                       |
| 9586   | 0.023945   | NRRL 4123 mitochondrial ribosomal          | U29233   |             |                                       |
|        |            | RNA, small subunit, mitochondrial          |  |             |                                       |
|        | · ·        | gene, partial sequence                     |  |             | *                                     |
| 9594   | 0.03788    | serine (or cysteine) proteinase inhibitor, | NM 006216  | Hs.21858    | NP_006207                             |
|        | 5.55.50    | clade E (nexin, plasminogen activator      |  |             |                                       |
|        |            | inhibitor type 1), member 2                |  |             | 6                                     |
|        |            | (SERPINE2), mRNA /cds=(210,1406)           |  | l ·         |                                       |
|        | . 8        |  |  |             |                                       |
|        |            | /gb=NM_006216 /gi=24307906                 |  |             |                                       |
|        | 0.04005    | /ug=Hs.21858 /len=2129                     | A1 404004  | 11- 74050   | ND :07500                             |
| 9598   | 0.018254   | mRNA; cDNA DKFZp761C169 (from              | AL161991   | Hs.71252    | NP_075064                             |
|        | 4.0        | clone DKFZp761C169); partial cds           |  |             |                                       |
|        |            | /cds=(997,2475) /gb=AL161991               | •  |             |                                       |
|        |            | /gi=7328122 /ug=Hs.71252 /len=3324         | <u> </u>   |             | <u> </u>                              |
| 9608   | 0.003563   | sarcoglycan, alpha (50kDa dystrophin-      | NM_000023  | Hs.99931    | NP_000014                             |
|        |            | associated glycoprotein) (SGCA),           |  |             |                                       |
|        |            | mRNA /cds=(12,1175) /gb=NM_000023          | *4   | 1           | 10                                    |
|        |            | /gi=4506910 /ug=Hs.99931 /len=1404         |  |             |                                       |
|        | I          | 1.9  | 1  |             | 1                                     |

|                |          | nding To Differentially Expressed Gen   |               |                  | Duntain          |
|----------------|----------|---|---------------|------------------|------------------|
| spot           | p-value  | Description                             | Gene          | Unigene          | Protein          |
|                |          |   | Accession No. | Accession        | Accession        |
| 9609           | 0.017288 | wingless-type MMTV integration site     | NM 003392     | No.<br>Hs.152213 | No.<br>NP 003383 |
| 5003           |          | family, member 5A (WNT5A), mRNA         | 14101_000002  | 113.102210       |                  |
| ."             |          | /cds=(758,1855) /gb=NM_003392           |               |                  |                  |
| (              |          | /gi=17402917 /ug=Hs.152213              | - ·           |                  |                  |
|                |          | /gi=1/40291/ /ug=Hs.132213<br>/len=4428 |               |                  |                  |
| 2022           | 0.020240 | KIAA0854 protein (KIAA0854), mRNA       | NM_014943     | Hs.30209         | NP_055758        |
| 623            | 0.030249 |   | 14942         | П5.30209         | ME_000130        |
|                |          | /cds=(305,2818) /gb=NM_014943           |               |                  |                  |
|                |          | /gi=7662341 /ug=Hs.30209 /len=4089      | NM_016594     | Uo 24049         | NP_057678        |
| 9642           | 0.036556 | FK506 binding protein 11, 19 kDa        | NIVI_016594   | Hs.24048         | INP_05/6/8       |
|                |          | (FKBP11), mRNA /cds=(73,678)            |               |                  |                  |
|                |          | /gb=NM_016594 /gi=7706130               |               |                  |                  |
| <del>.</del> . | 0.04576  | /ug=Hs.24048 /len=727                   | NIM 000545    | U- 005055        | ND COCCO         |
| 645            |          | SET domain and mariner transposase      | NM_006515     | Hs.265855        | NP_006506        |
| •              | Frank 1  | fusion gene (SETMAR), mRNA              |               |                  |                  |
|                |          | /cds=(23,2038) /gb=NM_006515            |               |                  |                  |
| ·              |          | /gi=5730038 /ug=Hs.265855 /len=2063     |               |                  | 1                |
|                |          |   |               |                  |                  |
| 646            | 0.010277 | mitochondrial ribosomal protein S5      | NM_031902     | Hs.433117        | NP_114108        |
|                |          | (MRPS5), nuclear gene encoding          | e + 4         |                  |                  |
|                | 1.5      | mitochondrial protein, mRNA             |               |                  |                  |
|                | *        | /cds=(219,1511) /gb=NM_031902           |               | 7                |                  |
|                |          | /gi=16554614 /ug=Hs.433117              |               |                  |                  |
|                | · · · ·  | /len=1678                               | 100           |                  |                  |
| 9648           | 0.043799 | Similar to RIKEN cDNA 1500009M05        | BC032300      | Hs.295953        |                  |
|                |          | gene, clone MGC:40370                   |               |                  |                  |
|                |          | IMAGE:5105935, mRNA, complete cds       |               |                  |                  |
|                |          | /cds=(45,452) /gb=BC032300              |               |                  |                  |
| ·              |          | /gi=21619026 /ug=Hs.295953              |               |                  |                  |
|                |          | /len=1617                               | •             |                  |                  |
| 9676           | 0.020388 | EST(hh39d05.x1 NCI_CGAP_Co14            | AW612954      |                  |                  |
|                |          | clone IMAGE:2957481 3' contains         |               |                  |                  |
|                |          | MER33 repeat)                           |               |                  |                  |
| 682            | 0.005325 | BX091044 Soares retina N2b4HR           | BX091044      | Hs.435655        |                  |
|                |          | cDNA clone IMAGp998D18828;              |               | 1                | 12. 1            |
|                |          | IMAGE:360161, mRNA sequence             |               |                  | 1                |
|                | A .      | /clone=IMAGp998D18828_;_IMAGE:36        |               |                  | 1                |
|                |          | 0161 /gb=BX091044 /gi=27826224          |               |                  |                  |
|                | :        | /ug=Hs.435655 /len=644                  |               | * "              |                  |
| 9683           | 0.018784 | cDNA FLJ12246 fis, clone                | AK022308      | Hs.188853        | -5               |
| •.             |          | MAMMA1001343. /gb=AK022308              |               | * .              |                  |
|                |          | /gi=10433677 /ug=Hs.188853              |               |                  |                  |
|                |          | /len=1766                               |               |                  |                  |
| 9699           | 0.001339 | EST(zeh1487.seq.F Zebrafish             | Al354098      | * · · · * · ·    |                  |
|                |          | Embryonic Heart cDNA Library cDNA       |               | 1                |                  |
| - 1            |          | [5')                                    | 1             | 1                |                  |

|      |          | nding To Differentially Expressed Gen |                                       |   |                    |
|------|----------|---------------------------------------|---------------------------------------|---|--------------------|
| Spot | p-value  | Description                           | Gene                                  | Unigene                                 | Protein            |
| - :  | *        |                                       | Accession No.                         | Acc ssion                               | Accession          |
|      |          |                                       |                                       | No.                                     | No.                |
| 9712 | 0.005325 | wl54c05.x1 NCI_CGAP_Brn25 cDNA        | AI864553                              | Hs.371597                               |                    |
|      |          | clone IMAGE:2428712-3', mRNA          |                                       |   |                    |
|      |          | sequence /clone=IMAGE:2428712         |                                       |   |                    |
|      |          | /clone_end=3' /gb=Al864553            |                                       |   |                    |
|      |          | /gi=5528660 /ug=Hs.371597 /len=474    |                                       |   |                    |
| 9721 |          | EST(yj01e06.r1 clone 147490 5')       | R81297                                |   | NP_057707          |
| 9725 | 0.043799 | EST UI-H-Bl0p-aav-d-02-0-UI.s1        | AW016422                              |   |                    |
|      |          | NCI_CGAP_Sub2 cDNA clone              |                                       |   |                    |
|      |          | IMAGE:2710683 3'                      | 1.                                    |   |                    |
| 9736 | 0.030249 | EST(wl38a07.x1 NCI_CGAP_Ut1 clone     | AI858415                              |   | NP_079457          |
| * ·  |          | IMAGE:2427156 3')                     |                                       |   |                    |
| 9747 |          | EST(ya49e04.r2 clone 53081 5')        | R16260                                |   | ं वे वे किया विश्व |
| 9751 | 0.032636 | hypothetical protein                  | NP_060190                             |   |                    |
|      |          | FLJ20234=AK000241) unnamed            | ÷                                     |   |                    |
|      |          | protein product [Homo sapiens]        | · · · ·                               |   | . 0                |
| 9759 | 0.009388 | DKFZp313I1120_r1 313 (synonym:        | AL598463                              | Hs.277519                               |                    |
|      |          | hlcc2) cDNA clone DKFZp313I1120 5',   |                                       |   |                    |
|      |          | mRNA sequence                         |                                       | ,                                       |                    |
|      |          | /clone=DKFZp313I1120 /clone_end=5'    |                                       |   |                    |
|      |          | /gb=AL598463 /gi=15161154             |                                       |   | *                  |
|      |          | /ug=Hs.277519 /len=765                |                                       | • / ·                                   |                    |
| 9774 | 0.043799 | cDNA FLJ36605 fis, clone              | AK093924                              | Hs:379100                               |                    |
|      |          | TRACH2015316, highly similar to       | , , , , , , , , , , , , , , , , , , , |   |                    |
|      |          | VIMENTIN. /cds=(631,1317)             |                                       |   |                    |
|      |          | /gb=AK093924 /gi=21752883             |                                       |   |                    |
|      | + 7.     | /ug=Hs.379100 /len=2665               |                                       |   |                    |
| 9804 | 2.66E-04 | RNA polymerase III subunit RPC2       | NM_018082                             | Hs.197642                               | NP_060552          |
|      |          | (RPC2), mRNA /cds=(54,3455)           |                                       |   |                    |
|      |          | /gb=NM_018082 /gi=24475856            |                                       | , |                    |
|      |          | /ug=Hs.197642 /len=4102               |                                       |   |                    |
| 9805 | 0.035177 | EST (qh12h02.x1                       | Al240516                              |   |                    |
|      | * 1      | Soares_NFL_T_GBC_S1                   |                                       |   |                    |
|      |          | IMAGE:1844499 3')                     |                                       | *                                       |                    |
| 9812 | 0.010277 | mRNA; cDNA DKFZp313C1042 (from        | AL833436                              | Hs.376859                               |                    |
|      |          | clone DKFZp313C1042) /gb=AL833436     |                                       |   | . ·                |
|      |          | /gi=21734078 /ug=Hs.376859            | *                                     |   |                    |
| 20   |          | /len=2103                             |                                       |   | , **               |
| 9818 | 0.025911 | EST (zn89e09.s1 Stratagene lung       | AA127265                              |   |                    |
|      |          | carcinoma 937218 cDNA clone           |                                       | 1                                       | 1                  |
| • •  |          | IMAGE:565384 3')                      |                                       |   | •                  |
| 9819 | 0.001193 | EST (yq42a05.r1 Soares fetal liver    | R94397                                | , ,                                     |                    |
|      |          | spleen                                | * 'x                                  |   | 1                  |
| 9820 | 0.002602 | EST (nk75h03.s1 NCI_CGAP_Sch1         | AA551135                              |   |                    |
|      |          | cDNA clone IMAGE:1019381 3')          |                                       |   |                    |
| -    |          |                                       | <del> </del>                          |   |                    |

|             |          | nding To Differentially Expressed Gen   |               |              |                                       |
|-------------|----------|---|---------------|--------------|---------------------------------------|
| Spot        | p-valu   | Description                             | Gene          | Unig ne      | Protein                               |
|             | -        |   | Accession No. | Acc ssion    | Accession                             |
|             |          | *                                       |               | No.          | No.                                   |
| 9821        | 0.03788  | 602583204F1 NIH_MGC_76 cDNA             | BG565597      | Hs.430998    |                                       |
|             |          | clone IMAGE:4710961 5', mRNA            |               |              | ····` -i, , , , ,                     |
| 1           |          | sequence /clone=IMAGE:4710961           |               |              |                                       |
|             |          | /clone_end=5' /gb=BG565597              |               |              | *                                     |
|             |          | /gi=13573250 /ug=Hs.430998 /len=827     |               |              | 8                                     |
|             |          |   | #             |              |                                       |
| 9827        | 0.009388 | EST CB H.sapiens cDNA clone             | AV743921      |              |                                       |
| •           |          | CBCCHD05 5'                             |               |              |                                       |
| 9836        | 0.013394 | clone IMAGE:3629966, mRNA               | BC005082      | Hs.334575    |                                       |
|             |          | /gb=BC005082 /gi=13937698               |               |              |                                       |
|             |          | /ug=Hs.334575 /len=1734                 |               |              | , · · ·                               |
| 9837        | 0.018784 | growth differentiation factor 8 (GDF8), | NM_005259     | Hs.41565     | NP 005250                             |
| in Table in |          | mRNA /cds=(134,1261)                    | 000200        | 11.0. 11000  | 141 -000200                           |
| - '         |          | /gb=NM_005259 /gi=4885258               |               |              |                                       |
|             |          | /ug=Hs 41565 /len=2823                  |               |              |                                       |
| 9850        | 0.025911 | cDNA FLJ11946 fis, clone                | AK022008      | Hs.323231    |                                       |
|             | 0.020011 | HEMBB1000709. /gb=AK022008              | 741022000     | 113.020201   |                                       |
|             |          | /gi=10433321 /ug=Hs.323231              |               |              |                                       |
| -           |          | /len=3241                               | -4            |              | ,                                     |
| 9857        | 0.009388 | vesicle-associated membrane protein 5   | NIM DD6634    | Hs.74669     | NP_006625                             |
| 0007        | 0.000000 | (myobrevin) (VAMP5), mRNA               | 14141_000004  | 115.74009    | NF_000025                             |
| er en ser   | 1000     | /cds=(58,408) /gb=NM_006634             | · · ·         | *            |                                       |
|             |          | /gi=5730111 /ug=Hs.74669 /len=618       | * ( )         |              | ÷                                     |
| 9858        | 0.003563 | FLJ32223 fis, clone PLACE6004312        | AK056785      |              |                                       |
| 9859        |          | FLJ11812 fis, clone HEMBA1006364        | AK021874      | Hs.23837     | The second second                     |
| 3003        | 0.03766  | /cds=UNKNOWN /gb=AK021874               | ANUZ 10/4     | П5.23037     |                                       |
|             |          | <b>-</b>                                |               |              |                                       |
|             |          | /gi=10433160 /ug=Hs.23837 /len=1369     |               | 77 *         | 1                                     |
| 9875        | 0.000045 | hoot shock 27kD= ==tois 2 (HCDD2)       | NINA 004544   | 11-70040     | ND 004500                             |
| 9010        | 0.023945 | heat shock 27kDa protein 2 (HSPB2),     | NM_001541     | Hs.78846     | NP_001532                             |
|             |          | mRNA /cds=(70,618) /gb=NM_001541        |               | ay.          |                                       |
|             |          | /gi=4504518 /ug=Hs.78846 /len=874       |               |              |                                       |
| 0000        | 0.505.04 | FKCCC4 (FKCCC4) PNA                     | A 5000400     | 11 4 20 7 40 | · · · · · · · · · · · · · · · · · · · |
| 9890        | 6.56E-04 | FKSG64 (FKSG64) mRNA, complete          | AF338199      | Hs.143740    |                                       |
| ε.          | •        | cds /cds=(66,440) /gb=AF338199          |               |              |                                       |
|             |          | /gi=12802898 /ug=Hs.143740 /len=916     | .'            | -            |                                       |
| 0004        | 0.000000 |   |               |              |                                       |
| 9891        | 0.002096 | isocitrate dehydrogenase 2 (NADP ),     | NM_002168     | Hs.5337      | NP_002159                             |
| -           |          | mitochondrial (IDH2), nuclear gene      |               | (3)          |                                       |
|             |          | encoding mitochondrial protein, mRNA    |               |              |                                       |
|             |          | /cds=(87,1445) /gb=NM_002168            | -             |              |                                       |
|             | *        | /gi=28178831 /ug=Hs.5337 /len=1740      |               |              |                                       |
|             |          |   |               |              |                                       |
| 9903        | 0.010277 | hypothetical protein MGC40157           | NM_152350     | Hs.295362    | NP_689563                             |
|             |          | (MGC40157), mRNA /cds=(106,498)         |               |              |                                       |
|             |          | /gb=NM_152350 /gi=22748758              |               |              | *                                     |
| 1 . [       | 3        | /ug=Hs.295362 /len=1250                 |               |              |                                       |

| Spot               | p-value                               | Description                                | Gene          | Unigene                                | Protein   |
|--------------------|---------------------------------------|--|---------------|--|---|
|                    |                                       |  | Accession No. | Accession                              | Accession   |
| 0004               | 0.005005                              | O limbard assessed in based O.N.           | NIM 047700    | No.                                    | No.   |
| 9904               | 0.005325                              | O-linked mannose beta1,2-N-                | NM_017739     | Hs.183860                              | NP_060209   |
|                    |                                       | acetylglucosaminyltransferase              |               |  |   |
|                    |                                       | (FLJ20277), mRNA /cds=(142,2124)           |               |  | ,   |
|                    | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | /gb=NM_017739 /gi=8923252                  | * *           |  | *   |
|                    |                                       | /ug=Hs.183860 /len=2737                    | ST00-10       | *                                      | *   |
| 9907               | 0.040751                              | glucuronidase, beta (GUSB), mRNA           | NM_000181     | Hs.183868                              | NP_000172   |
|                    |                                       | /cds=(27,1982) /gb=NM 000181               |               |  | · <del>-</del>  |
|                    |                                       | /gi=4504222 /ug=Hs.183868 /len=2191        |               |  | :   |
| : .                |                                       |  | 6             |  | 10 10 10 10 10 10 10 10 10 10 10 10 10 1                |
| 9909               | 0.030340                              | clone IMAGE:5263531, mRNA                  | BC037740      | Hs.18016                               | frid.   |
| 9909               | 0.030249                              |  | BC03/740      | IUS. 100 10                            |   |
| ्र चं              |                                       | /gb=BC037740 /gi=22902216                  |               |  |   |
| · ·                |                                       | /ug=Hs.18016 /len=5036                     |               |  |   |
| 9919               | 0.040751                              | B-cell receptor-associated protein         | NM_018844     | Hş.27135                               | NP_061332   |
|                    | 3.7                                   | BAP29 (BAP29), mRNA /cds=(47,775)          | *             |  |   |
|                    |                                       | /gb=NM_018844 /gi=9994198                  |               |  |   |
| . 4 45 45.4<br>. 4 |                                       | /ug=Hs.27135 /len=1085                     |               |  |   |
| 9940               | 0.023945                              | BRF2, subunit of RNA polymerase III        | NM_018310     | Hs.274136                              | NP_060780   |
|                    |                                       | transcription initiation factor, BRF1-like | -             |  |   |
|                    | * *                                   | (BRF2), mRNA /cds=(111,1370)               |               |  |   |
| t                  |                                       | /gb=NM_018310 /gi=22035561                 |               | * ************************************ | 44, 5 m (C  |
|                    | 1.1                                   |  |               | . `                                    |   |
| 0044               | 0.000040                              | /ug=Hs.274136 /len=1978                    | NIN 4 004000  | 11-0004                                | N.D. 004004   |
| 9941               | 0.030249                              | ribonucleotide reductase M1                | NM_001033     | Hs.2934                                | NP_001024   |
|                    | *                                     | polypeptide (RRM1), mRNA                   | *             | *                                      |   |
| •                  |                                       | /cds=(233,2611) /gb=NM_001033              |               |  |   |
|                    | - 100                                 | /gi=21071083 /ug=Hs.2934 /len=3117         |               |  |   |
| 9952               | 0.008566                              | FLJ00023 protein, partial cds              | AK024433      | Hs.23450                               | NP_071942   |
|                    |                                       | /cds=UNKNOWN /gb=AK024433                  |               |  |   |
|                    |                                       | /gi=10440374 /ug=Hs.23450                  |               | *                                      |   |
| 9966.              | 0.030249                              | chromosome 2 open reading frame 6          | NM_018221     | Hs.196437                              | NP 060691   |
|                    |                                       | (C2orf6), mRNA /cds=(184,834)              | <del>-</del>  |  |   |
|                    |                                       | /gb=NM_018221 /gi=8922670                  | 5             |  |   |
|                    |                                       | /ug=Hs.196437 /len=2543                    |               |  | 1   |
| 9967               | 0.002562                              | cDNA FLJ13630 fis, clone                   | VKUSSEUS      | Un 422071                              | - <del>-</del> <del>-</del> <del>-</del> <del>-</del> - |
| 9907               | 0.003363                              |  | AK023692      | Hs.432871                              |   |
| :                  |                                       | PLACE1011057. /gb=AK023692                 | 0.            |  |   |
| •                  |                                       | /gi=10435695 /ug=Hs.432871                 |               | *                                      | ``  |
| •                  |                                       | /len=2234                                  |               |  |   |
| 9989               | 0.032636                              | protein tyrosine phosphatase, receptor-    | NM_002851     | Hs.78867                               | NP_002842   |
|                    |                                       | type, Z polypeptide 1 (PTPRZ1), mRNA       |               | ٠.                                     |   |
|                    |                                       | /cds=(148,7092) /gb=NM_002851              |               | .*                                     |   |
| ÷                  | :                                     | /gi=4506328 /ug=Hs.78867 /len=7941         |               |  |   |
|                    |                                       | 3  |               |  |   |
| 9990               | 0.025011                              | hypothetical protein FLJ23467              | NM 024575     | Hs.16179                               | NP_078851   |
| 2090               | 0.02.0311                             | (FLJ23467), mRNA /cds=(103,657)            | 14141_024070  | 113.10 (73                             | _0/0031   |
|                    |                                       |  | •             |  |   |
|                    |                                       | /gb=NM_024575 /gi=13375749                 | 1             |  |   |
|                    | L                                     | /ug=Hs.16179 /len=1196                     |               | 1                                      | 1   |

|         |            | nding To Differentially Expressed Gen                                |               |             |             |
|---------|------------|--|---------------|-------------|-------------|
| Spot    | p-value    | D scription  | Gene          | Unigene     | Protein     |
|         |            |  | Accession No. | Acc ssion   | Accession   |
|         |            | ***************************************                              |               | No.         | No.         |
| 10000   | 0.035177   | Delta sleep inducing peptide,  | AB025432      | Hs.75450    | NP 004080   |
|         |            | immunoreactor, mRNA for GILZ,  |               |             |             |
|         | - 30 Y     | complete cds /cds=(233,637)  |               |             | ; ;         |
|         |            | /gb=AB025432 /gi=11527558  |               |             |             |
|         |            |  |               |             |             |
|         |            | /ug=Hs.75450 /len=2028 (=TSC-22                                      |               | -           |             |
|         | . *        | related protein (TSC-22R) mRNA,                                      |               | 5 , .       |             |
|         |            | complete cds, AF153603.1)  |               |             |             |
| 10003   | 0.040751   | of rat nadrin (RICH1), mRNA  | NM_018054     | Hs.14169    | NP_060524   |
|         |            | /cds=(71,2482) /gb=NM_018054   |               |             | ***         |
|         |            | /gi=21361735 /ug=Hs.14169 /len=3219                                  |               |             |             |
|         |            |  |               |             |             |
| 10009   | 0.047031   | nucleolar protein GU2 (GU2), mRNA                                    | NM 024045     | Hs.7392     | NP_076950   |
|         |            | /cds=(108,2321) /gb=NM 024045  |               |             |             |
|         | 716        | /gi=13129005 /ug=Hs.7392 /len=2575                                   |               | 4 1         | 0           |
| 10026   | 0.030340   | dishevelled associated activator of                                  | NM_014992     | Hs.197751   | NP 055807   |
| 10020   | 0.030249   | morphogenesis 1 (DAAM1), mRNA  | 14992         | пъ. 197751  | NF_055607   |
|         | -12%       |  | ** 1          |             |             |
|         |            | /cds=(126,3362) /gb=NM_014992  |               |             | * *         |
|         |            | /gi=21071076 /ug=Hs.197751   |               | . ***       |             |
|         |            | /len=4256  |               |             |             |
| 10033   | 0.023945   | hypothetical protein FLJ11753  | NM_024659     | Hs.62348    | NP_078935   |
| 1 1     |            | (FLJ11753), mRNA /cds=(14,832)                                       |               | 1 .1        |             |
|         |            | /gb=NM_024659 /gi=13375910   |               |             |             |
| - X     |            | /ug=Hs.62348 /len=1868   |               |             |             |
| 10036   | 1.53F-04   | src 3 domain-containing protein HIP-55                               | NM 014063     | Hs.183373   | NP 054782   |
|         |            | (HIP-55), mRNA /cds=(31,1326)  |               |             |             |
| : · · · |            | /gb=NM_014063 /gi=21361669   |               |             | 100         |
|         |            |  |               |             |             |
| 40040   | 0.045005   | /ug=Hs.183373 /len=2170  | A1(000074     | LID 2005 40 |             |
| 10049   | 0.015895   | FLJ12209 fis, clone MAMMA1000962                                     | AK022271      | Hs.366548   |             |
|         |            | /cds=UNKNOWN /gb=AK022271  | ±. 1          |             | 1           |
| ~ .     | * *.       | /gi=10433630 /ug=Hs.366548   |               |             |             |
|         |            | /len=1239  | * * *         | *           |             |
| 10052   | 0.024732   | casein kinase (LOC149420), mRNA                                      | NM_152835     | Hs.29911    | NP_690048   |
|         | 34.5       | /cds=(290,1315) /gb=NM_152835  | - 1           |             |             |
|         |            | /gi=22779869 /ug=Hs.29911 /len=4299                                  |               |             |             |
|         |            |  |               |             |             |
| 10057   | 6.22F-04   | nucleosome assembly protein 1-like 3                                 | NM 004538     | Hs.21365    | NP 004529   |
| ,0001   | 3.222 07   | (NAP1L3), mRNA /cds=(265,1785)                                       | 00,000        | 1.10.2.1000 |             |
|         |            | /gb=NM_004538 /gi=21327709   |               |             | . 6         |
| 4       |            |  |               |             |             |
| 40050   | 0.044500   | /ug=Hs.21365 /len=2634   | NIM COACOA    | 115 440405  | ND 00000    |
| 10058   | J U.U14599 | ribosomal protein L36a-like (RPL36AL),                               | NM_001001     | Hs.419465   | NP_000992   |
|         | X C        | mRNA /cds=(95,415) /gb=NM_001001                                     |               |             |             |
|         |            | /gi=16306559 /ug=Hs.419465 /len=537                                  |               |             |             |
|         |            |  |               |             |             |
|         |            | LON LUCIUS LOSON DALA  | NIM 04220C    | Un 070220   | MD 027420   |
| 10059   | 6.35E-05   | LGN protein (HSU54999), mRNA   | NM_013296     | Hs.278338   | JNF_ 03/420 |
| 10059   | 6.35E-05   |  | NIVI_013296   | HS.270330   | NP_037428   |
| 10059   | 6.35E-05   | /cds=(174,2207) /gb=NM_013296<br>/gi=9558734 /ug=Hs.278338 /len=2336 | NIVI_U13296   | HS.276336   | NP_037420   |

| Genes Corresponding To Differentially Expressed Genes in Figur 20 - RA |          |   |                         |             |              |
|--|----------|---|-------------------------|-------------|--------------|
|  |          | Description                               | Gene                    | Unigene     | Protein      |
| -  |          |   | Accession No.           | Accession   | Accession    |
| -  |          |   |                         | No.         | No.          |
| 10060  | 0.004367 | roundabout, axon guidance receptor, 1     | NM_133631               | Hs.301198   | NP_598334    |
|  |          | (Drosophila) (ROBO1), transcript          | . x. <del>-</del> , : : |             |              |
|  |          | variant 2, mRNA /cds=(964,5802)           |                         | *           | ·            |
|  |          | /gb=NM_133631 /gi=19743805                |                         |             |              |
|  |          | /ug=Hs.301198 /len=7475                   |                         | 1           |              |
| 10062  | 0.025213 | ubiquitin-like, containing PHD and        | NM 152306               | Hs.348602   | NP_690856    |
| 10002  | 0.020210 | RING finger domains 2 (URF2),             | 11111_102000            | 1.0.0.10002 | 000000       |
|  |          | transcript variant 1, mRNA                | * ***                   |             | 0            |
| r'   |          | /cds=(341,1852) /gb=NM_152306             |                         | 9           |              |
|  |          | /gi=23312361 /ug=Hs.348602                |                         |             |              |
|  |          | /len=3720                                 |                         |             |              |
| 10069  | 0.022406 | hypothetical protein FLJ20297             | NM_017751               | Hs.94491    | NP_060421    |
| IOOÓA  | 0.022106 | (FLJ20297), mRNA /cds=(111,2507)          | NIVI_017731             |             | INF_000421   |
| 1  |          |   |                         |             |              |
|  |          | /gb=NM_017751 /gi=8923276                 | ***                     |             |              |
| 40004  | 0.047000 | /ug=Hs.94491 /len=3682                    | NINA 004050             | 11-455474   | ND 004044 ** |
| 10081  | 0.017288 | CDC5 cell division cycle 5-like (S.       | NM_001253               | Hs.155174   | NP_001244    |
|  |          | pombe) (CDC5L), mRNA                      |                         |             |              |
| •  |          | /cds=(260,2668) /gb=NM_001253             |                         | * *         |              |
| 12.12  |          | /gi=16357499 /ug=Hs.155174                |                         |             |              |
| <del> </del>   |          | /len=3012                                 |                         |             | 13.4         |
| 10083  | 0.009388 | cDNA FLJ12874 fis, clone                  | AK022936                | Hs.56847    |              |
|  |          | NT2RP2003769. /gb=AK022936                |                         |             |              |
|  | •        | /gi=10434613 /ug=Hs.56847 /len=2867       |                         |             |              |
|  |          |   |                         |             |              |
| 10084  | 0.009388 | hypothetical protein MGC11034             | NM_031453               | Hs.103378   | NP_113641    |
|  |          | (MGC11034), mRNA /cds=(246,641)           |                         | ,           |              |
| 0  |          | /gb=NM_031453 /gi=13899290                |                         | 3           |              |
|  | 10.      | /ug=Hs.103378 /len=3301                   |                         |             |              |
| 10085  | 2.32E-04 | mRNA for KIAA0931 protein, partial        | AB023148                | Hs.173373   |              |
| •  | • •      | cds. /cds=(1,2205) /gb=AB023148           |                         |             |              |
|  |          | /gi=4589505 /ug=Hs.173373 /len=6167       |                         |             |              |
|  | *        |   |                         |             |              |
| 10087  | 0.010277 | cDNA FLJ30064 fis, clone                  | AK054626                | Hs.188504   | £ 1, 2, 7 2  |
| :  |          | ADRGL2000323. /cds=(118,516)              |                         |             |              |
|  |          | /gb=AK054626 /gi=16549205                 | , ,                     |             |              |
|  | - 1      | /ug=Hs.188504 /len=2081                   |                         |             |              |
| 10094  | 0.00168  | nuclear factor of kappa light polypeptide | NM 013432               | Hs.323834   | NP_038460    |
|  |          | gene enhancer in B-cells inhibitor-like   | -                       |             | . –          |
| ,  | (,       | 2(NFKBIL2), mRNA /cds=(473,4132)          | e 81                    |             |              |
|  |          | /gb=NM_013432/gi=15718771                 | *                       |             |              |
|  | *.       | /ug=Hs.323834 /len=4501                   |                         |             |              |
| ٧.   | : *      |   |                         |             |              |
| 10102  | 0.020388 | hypothetical protein FLJ23445             | NM 025075               | Hs.288151   | NP_079351    |
| 10,02  | 0.020300 | (FLJ23445), mRNA /cds=(44,658)            | 14111_023073            | 13.200101   |              |
|  |          | /gb=NM_025075 /gi=13376622                |                         | ,           | }            |
|  |          | /ug=Hs.288151 /len=963                    |                         |             | V.           |
|  | 4        | /uu=  5,200  5  /len=303                  | I                       | I           | 1.           |

| Genes | Correspon | nding To Differentially Expr ssed Gen  | es in Figure 20 -     | RA                                    |                             |
|-------|-----------|--|-----------------------|---------------------------------------|-----------------------------|
| Spot  | p-value   | Description  | Gene<br>Accession No. | Unigene<br>Accession<br>No.           | Protein<br>Accession<br>No. |
| 10103 | 0.013394  | eukaryotic translation elongation factor 1<br>1 gamma (EEF1G), mRNA  | NM_001404             | Hs.256184                             | NP_001395                   |
|       |           | /cds=(38,1351) /gb=NM_001404<br>/gi=25453475 /ug=Hs.256184<br>/len=1429  | -81                   | *                                     |                             |
| 10111 | 2.66E-04  | ubiquitin-conjugating enzyme E2G 2<br>(UBC7 yeast) (UBE2G2), mRNA<br>/cds=(56,553) /gb=NM_003343<br>/gi=4507780 /ug=Hs.192853 /len=2900                | NM_003343             | Hs.192853                             | NP_003334                   |
| 10112 | 0.043799  | COP9 constitutive photomorphogenic<br>subunit 5 (Arabidopsis) (COPS5),<br>mRNA /cds=(121,1125)<br>/gb=NM_006837 /gi=5803045<br>/ug=Hs:380969 /len=1277 | NM_006837             | Hs.380969                             | NP_006828                   |
| 10130 | 0.021     | UI-H-EU1-bad-c-14-0-UI.s1<br>NCI_CGAP_Ct1 cDNA clone UI-H-EU1-<br>bad-c-14-0-UI.3', mRNA sequence  | BQ447141              | Hs.445111                             |                             |
|       |           | /clone=UI-H-EU1-bad-c-14-0-UI<br>/clone_end=3' /gb=BQ447141<br>/gi=21250253 /ug=Hs.445111<br>/len=1032   |                       |                                       |                             |
| 10152 | 0.007107  |  | AA766399              |                                       |                             |
| 10170 | 0.013394  | EST (ts95a10.x1 NCI_CGAP_GC6<br>cDNA clone IMAGE:2239002 3')   | Al635513              | · · · · · · · · · · · · · · · · · · · |                             |
| 10177 | 0.02801   | EST Soares_senescent_fibroblasts_NbHSF cDNA clone IMAGE:323750 3'  | W44584                |                                       |                             |
| 10178 | 0.010277  | EST382135 MAGE resequences,<br>MAGK cDNA, mRNA sequence<br>/gb=AW970055 /gi=8159900<br>/ug=Hs.324815 /len=764  | AW970055              | Hs.324815                             |                             |
| 10180 | 0.02801   | WW45 protein (WW45), mRNA<br>/cds=(339,1490) /gb=NM_021818<br>/gi=18860913 /ug=Hs.288906<br>/len=3031  | NM_021818             | Hs.288906                             | NP_068590                   |
| 10186 | 0.047031  | transmembrane 4 superfamily member 6 (TM4SF6), mRNA /cds=(104,841) /gb=NM_003270 /gi=21265115 /ug=Hs.121068 /len=2069                                  | NM_003270             | Hs.121068<br>ა                        | NP_003261                   |
| 10206 | 0.043799  | RAB6A, member RAS oncogene family (RAB6A), mRNA /cds=(427,1053) /gb=NM_002869 /gi=19923230 /ug=Hs.5636 /len=3079                                       | NM_002869             | Hs.5636                               | NP_002860                   |

|          |  | nding To Diff rentially Express d Gen    |               |   |                   |
|----------|--|--|---------------|---|-------------------|
| Spot     | p-value                                | Description                              | Gene          | Unigene   | Protein           |
| -        |  |  | Acc ssion No. | Accession                                       | Accession         |
|          |  |  |               | No.   | No.               |
| 10212    | 0.017288                               | EST(ye51h07.s1 Soares fetal liver        | T96639        |   |                   |
|          | 40 O                                   | spleen 1NFLS clone IMAGE:121309 3        |               | اران<br>داد دی دونه سد د                        | 180 , 181 1 1     |
| ٠.       | ** -                                   | similar to contains Alu repetitive       |               |   |                   |
|          | i=                                     | element; contains L1 repetitive element) |               |   |                   |
|          |  | Li repetitive elementy                   |               |   |                   |
| 10219    | 0.02801                                | chemokine-like factor super family 6     | NM 017801     | Hs.380627                                       | NP 060271         |
| 102 13   | 0.02001                                | (CKLFSF6), mRNA /cds=(108,659)           | 14W_017601    | 118.300027                                      | NP_0002/1         |
|          |  | /gb=NM_017801 /gi=8923369:               |               |   |                   |
|          |  |  |               |   |                   |
| 10000    | 0.047755                               | /ug=Hs.380627 /len=1904                  | NINA 040540   | 11- 00574                                       | NE DETOCO         |
| 10229    | 0.017755                               | complement C1r-like proteinase           | NM_016546     | Hs.98571  | NP_057630         |
|          | - ,                                    | precursor, (LOC51279), mRNA              | * · ·         |   |                   |
|          |  | /cds=(18,1481) /gb=NM_016546             |               |   |                   |
| 13.      | 2000                                   | /gi=7706082 /ug=Hs.98571 /len=3345       |               |   |                   |
| 10240    | 0.007107                               | hypothetical protein DKFZp586C1924       | NM_032273     | Hs.108338                                       | NP_115649         |
| *<br>10  |  | (DKFZp586C1924), mRNA                    | *             | 5 00  |                   |
|          |  | /cds=(106,693) /gb=NM_032273             |               |   |                   |
|          |  | /gi=14150016 /ug=Hs.108338 /len=782      |               |   |                   |
|          |  |  | *             |   |                   |
| 0266     | 0.017288                               | EST yi39c07.s1 Soares placenta           | R69076        | 77.07   |                   |
|          | *                                      | Nb2HP cDNA clone IMAGE:141612 3'         | X             | 1.  |                   |
|          |  | similar to contains Alu repetitive       |               |   |                   |
|          | \.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\. | element;                                 |               |   |                   |
| 0267     | 0.047031                               | BX114194 Soares melanocyte 2NbHM         | BX114194      | Hs.176420                                       | 44.9              |
| 10201    | 0.047031                               | cDNA clone IMAGp998J14570, mRNA          | DX114134      | ITIS. 170420:                                   |                   |
|          |  |  |               | 1.1   |                   |
|          |  | sequence                                 |               | <i>y</i> : ———————————————————————————————————— |                   |
| i'       |  | /clone=IMAGp998J14570_;_IMAGE:26         |               |   | 8 <sup>-7</sup> v |
|          | ÷                                      | 1229 /gb=BX114194 /gi=27838661           |               |   |                   |
|          |  | /ug=Hs.176420 /len=687                   |               |   | : .               |
| 0276     | 0.00587                                | Hypothetical protein(cDNA sequence       | AK002173      |   | NP_689971         |
|          |  | FLJ11311 fis, clone PLACE1010102)        |               |   | *                 |
|          |  | (=cDNA sequence DKFZp566J2146)           |               |   |                   |
| 0278     | 0.007807                               | 7b50e11.x1 NCI_CGAP_Lu24 cDNA            | BE550231      | Hs.282013                                       | JA .              |
|          |  | clone IMAGE:3231692 3', mRNA             |               |   |                   |
|          |  | sequence /clone=IMAGE:3231692            | *             |   |                   |
| -8       |  | /clone_end=3' /gb=BE550231               |               | ·   |                   |
|          | ,                                      | /gi=9791923 /ug=Hs.282013 /len=550       |               |   |                   |
| 0282     | 0.040751                               | EST (7083a06.x1 NCI_CGAP_Kid11           | BF197462      |   | <del>- ;:</del>   |
| . 5252   | 0.549791                               | cDNA clone IMAGE:3642898 3')             | DI 107404     |   |                   |
| 0286     | 0.003563                               | Similar to cell death activator CIDE-3,  | BC043599      | Hs.432698                                       | -                 |
| . V.Z.OO | 0.000000                               |  | DC043088      | 1115.432090                                     |                   |
|          |  | clone MGC:50748 IMAGE:5204770,           |               | ,   | z                 |
|          |  | mRNA, complete cds /cds=(432,617)        | , .           | **  | •                 |
|          | ]                                      | /gb=BC043599 /gi=27694390                |               |   |                   |
|          |  | /ug=Hs.432698 /len=1832                  |               | , ,   |                   |
| 0287     | 9.43E-04                               | EST (ye08g06.r1 Stratagene lung          | T87941        |   |                   |
|          |  | (#937210) cDNA clone IMAGE:117178        |               |   |                   |
|          |  | 5')                                      | -             |   |                   |
| 0292     | 0.002337                               | EST (qn52a04.x1 NCI_CGAP_Kid5            | AI302546      |   | ,                 |
|          | ı                                      | IMAGE:1901838 3')                        |               |   |                   |

| G nes       | Correspon | nding To Diff rentially Express d Gen                 | es in Figur 20 -      | RA                   |                      |
|-------------|-----------|---|-----------------------|----------------------|----------------------|
| Spot        | p-value   | Description   | Gene<br>Accession No. | Unigene<br>Accession | Protein<br>Accession |
|             |           |   |                       | No.                  | No.                  |
| 10295       | 0.040751  | EST(hi61a05.x1  | AW631139              |                      |                      |
|             |           | Soares_NFL_T_GBC_S1 cDNA clone                        |                       |                      |                      |
|             |           | IMAGE:2976752 3')                                     |                       | ,                    |                      |
| 10312       | 0.033876  | TATA box binding protein (TBP)-                       | NM_005681             | Hs.153088            | NP_647603            |
|             | E 7 0     | associated factor, RNA polymerase I,                  |                       |                      |                      |
| - "         |           | A, 48kDa (TAF1A), transcript variant 1,               |                       |                      | 9-1                  |
|             |           | mRNA /cds=(190,1542)                                  | ***                   |                      | *,                   |
| . ×         |           | /gb=NM_005681 /gi=21536363                            |                       |                      |                      |
| 10010       | 0.004000  | /ug=Hs.153088 /len=1893                               | D14705040             |                      |                      |
| 10313       | 0.001339  | UI-E-CI1-agf-h-05-0-UI.r1 UI-E-CI1                    | BM705313              | Hs.406335            |                      |
|             |           | cDNA clone UI-E-CI1-agf-h-05-0-UI 5',                 |                       |                      | 0.                   |
| *           |           | mRNA sequence /clone=UI-E-CI1-agf-h                   |                       |                      |                      |
| ing to a    | 1         | 05-0-UI /clone_end=5' /gb=BM705313                    |                       |                      | 200                  |
|             |           | /gi=19018571 /ug=Hs 406335                            |                       |                      | 1 M                  |
| 10324       | E 70E 04  | /len=1200<br>HNC49-1-E8:R HNC Normal Cartilage)       | BG929317              | Hs.244283            |                      |
| 10324       | 5.790-04  | cDNA, mRNA sequence                                   | DG929317              | IDS.244283           | 200                  |
| -           |           | /gb=BG929317 /gi=14323840                             |                       |                      | e.                   |
| # 48 × 11 g |           | /gg=Hs.244283 /len=755                                |                       |                      |                      |
| 10325       | 0.001501  | EST IL2-UM0076-130500-084-A01                         | AW802834              | × - ×                |                      |
| 10020       | 0.001001  | UM0076 cDNA   | AVV002004             |                      |                      |
| 10330       | 0.004367  | EST xa58b09.x1 NCI_CGAP_HSC2                          | AW073612              |                      |                      |
|             |           | cDNA clone IMAGE:2570969 3' similar                   | ,,,,,,,,,             |                      | #                    |
|             |           | to contains Alu repetitive element;                   |                       |                      |                      |
| . 1         |           |   |                       | -                    |                      |
| 10343       | 0.008566  | cDNA FLJ14028 fis, clone                              | AK024090              |                      |                      |
|             |           | HEMBA1003838  |                       |                      | 1                    |
| 10352       | 2.32E-04  | EST RC2-HT0977-211100-018-b02                         | BF837494              | -                    |                      |
|             |           | HT0977 cDNA   |                       |                      |                      |
| 10353       | 0.039408  | EST (clone MGC:8720                                   | BC011369.1            |                      | AAH11369.1           |
|             |           | IMAGE:3868798 /cds=(12,431)                           |                       |                      | :                    |
| 10354       | 3.04E-04  | EST (cn12g10.x1 Normal Trabecular                     | AI751952              |                      | NP_037359            |
|             |           | Bone Cells H.sapiens cDNA clone                       |                       |                      |                      |
| •           | <u> </u>  | NHTBC_cn12g10 random)                                 | **                    |                      |                      |
| 10355       | 0.018784  | selenoprotein H (SELH), mRNA                          | NM_170746 ~           | Hs.290874            | NP_734467            |
|             |           | /cds=(243,611) /gb=NM_170746                          |                       |                      |                      |
|             |           | /gi=25014108 /ug=Hs.290874 /len=834                   |                       |                      |                      |
| 10057       | 0.040###4 |   |                       |                      |                      |
| 10357       | 0.040751  | ribosomal protein L23 (RPL23), mRNA                   | NM_000978             | Hs.234518            | NP_000969            |
|             |           | /cds=(27,449) /gb=NM_000978                           | -                     |                      |                      |
|             |           | /gi=14591907 /ug=Hs.234518 /len=493                   | ,                     | . =                  |                      |
| 10250       | 0.002047  | aDNA Fland /slana-IMA OF 4440000                      | DE343304              | Ho 20400             | ND 055040            |
| 10358       | 0.003947  | cDNA, 5' end /clone=IMAGE:4148900                     | BF342391              | Hs.30469             | NP_055313            |
| •           |           | /clone_end=5' /gb=BF342391                            |                       |                      |                      |
| 10261       | 0.040754  | /gi=11289392 /ug=Hs.30469 /len=803                    | AA059771              | <del> </del>         |                      |
| 10301       | 0.04075T  |   | IAAOSO1/]             |                      | 0.1                  |
| 10361       | 0.040751  | Est (zf66a10.s1 Soares retina N2b4HR IMAGE:381882 3') | AA058771              |                      |                      |

|         |          | nding To Diff rentially Expressed G n  |   |                                       | The second secon |
|---------|----------|--|---|---------------------------------------|--|
| Spot    | p-value  | D scription  | Gene                                    | Unigene "                             | Protein  |
|         |          |  | Accession No.                           | Accession                             | Accession  |
|         |          |  |   | No.                                   | No.  |
| 10363   | 0.002337 | Similar to RIKEN cDNA 2310026P19   | BC043352                                | Hs.35096                              |  |
|         |          | gene, clone MGC:49935  |   |                                       |  |
|         | %        | IMAGE:6175382, mRNA, complete cds  |   |                                       |  |
|         |          | /cds=(288,3329) /gb=BC043352   |   |                                       |  |
|         |          | /gi=27694113 /ug=Hs.35096 /len=5900  |   |                                       |  |
|         |          | /gi=2/034113/dg=113.33030/iei1=3300  |   |                                       |  |
| 10004   | 0.005477 | EST (QV3-NN1023-130500-178-g10   | A141000427                              |                                       |  |
| 10364   | 0.035177 | ,  | AW902437                                |                                       |  |
| :<br>   |          | NN1023)  |   |                                       | 115 0100-0   |
| 10367   | 0.004367 | hypothetical protein BC009518  | NM_138363                               | Hs.135265                             | NP_612372  |
|         | - 32     | (LOC90799), mRNA /cds=(59,2524)  |   |                                       |  |
|         |          | /gb=NM_138363 /gi=19923898   |   |                                       |  |
|         |          | /ug=Hs.135265 /len=2705  |   |                                       |  |
| 10390   | 0.001878 | EST (tf13a08.x5 NCI_CGAP_Brn23   | AI939444                                |                                       |  |
|         |          | cDNA clone IMAGE:2096054 3')   |   |                                       |  |
| 10392   | 0.002096 | ribosomal protein, large, P1 (RPLP1),  | NM 001003                               | Hs.424299                             | NP_000994  |
|         |          | mRNA /cds=(130,474) /gb=NM 001003  |   |                                       |  |
| 1.0     | •,       | /gi=16905511 /ug=Hs.424299 /len=512  |   |                                       |  |
|         |          | 191 100009:1749=113.4242997ICH=012   |   | 1.1                                   | *  |
| 40207   | 0.040076 | made and C40 transported (C40), as DNA   | NIM 002040                              | LI- 200222                            | ND 002004  |
| 10397   | 0.012276 | maternal G10 transcript (G10), mRNA  | NM_003910                               | Hs.380233                             | NP_003901  |
|         |          | /cds=(380,814) /gb=NM_003910   |   |                                       | *  |
|         |          | /gi=4503836 /ug=Hs.380233 /len=1003  |   | 8                                     |  |
| 1 1     |          | and the state of t | * · · · · · · · · · · · · · · · · · · · |                                       |  |
| 10400   | 0.001062 | EST (602616324F1 NIH_MGC_79  | BG619143                                |                                       |  |
|         |          | cDNA clone IMAGE:4730333 5')   |   |                                       |  |
| 10401   | 7.41E-04 | EST (Clontech human aorta polyA  | C14262                                  | **                                    |  |
|         |          | mRNA (#6572) cDNA clone GEN-   |   | **                                    |  |
| *       |          | 041E02.5')   | . V. 10.1                               |                                       | <sup>10</sup> ≅ 1  |
| 10403   | 0.023945 | wb40b11.x1 NCI_CGAP_GC6 cDNA   | AI652865                                | Hs.374238                             |  |
| 10100   | 0.020010 | clone IMAGE:2308125 3', mRNA   | 7.11002000                              | 7.0.07                                |  |
| . No.   | .,       | sequence /clone=IMAGE:2308125  | *                                       |                                       |  |
| 14.5    |          |  |   |                                       |  |
| g sterr |          | /clone_end=3' /gb=Al652865   |   | ·                                     |  |
| 40400   | 0.00000  | /gi=4736844 /ug=Hs.374238 /len=598   | D 000 475                               | 115 445074                            | ļ  |
| 10436   | 0.032636 | Indian hedgehog (Drosophila), clone  | BC034757                                | Hs.115274                             |  |
| •       |          | MGC:34815 IMAGE:5182642, mRNA,   |   | . • •                                 | • 0  |
|         |          | complete cds /cds=(74,955)   |   | (t)                                   |  |
|         |          | /gb=BC034757 /gi=21961329  | -                                       |                                       |  |
|         |          | /ug=Hs.115274 /len=1760  |   |                                       |  |
| 10437   | 0.017288 | UI-H-EI1-aze-c-02-0-UI.s1  | BQ003590                                | Hs.29698                              |  |
|         | * -      | NCI_CGAP_EI1 cDNA clone  |   | · · · · · · · · · · · · · · · · · · · |  |
|         | *. *     | IMAGE:5847481 3', mRNA sequence  |   | · · · · .                             | -  |
| : .     | [        | /clone=IMAGE:5847481 /clone_end=3'   |   |                                       |  |
|         |          | /gb=BQ003590 /gi=19728490  | F                                       | 14.                                   | -  |
|         |          | T -  |   |                                       | -  |
|         | ,        | /ug=Hs.29698 /len=1051   |   |                                       | ٠.   |
|         |          |  | <u></u>                                 |                                       |  |
| 10439   | 0.017288 | clone IMAGE:4157625, mRNA  | BC033767                                | Hs.271450                             |  |
|         |          | /gb=BC033767 /gi=22832873  | l                                       |                                       |  |
|         |          | /ug=Hs.271450 /len=1515  |   |                                       |  |
| 10459   | 0.003563 | EST(hh87d09.x1 NCI_CGAP_GU1  | AW627547                                | (/*)                                  |  |
|         |          | cDNA-clone IMAGE:29697-77-3')  |   |                                       | <u>                                     </u>   |

|        |          | nding To Differentially Expressed Gen                    |   |             |           |
|--------|----------|--|---|-------------|-----------|
| Spot   | p-value  | Description  | Gene                                    | Unig ne     | Prot in   |
| *      |          | Ī  | Accession No.                           | Accession   | Accession |
|        |          |  |   | No.         | No.       |
| 10466  | 0.001878 | cDNA, 5' end /clone=IMAGE:4592424                        | BG400792                                | Hs.83286    | NP_714916 |
|        | A        | /clone_end=5' /gb=BG400792                               | - · · · · · · · · · · · · · · · · · · · |             |           |
| · [    |          | /gi=13294240 /ug=Hs.83286 /len=973                       |   |             |           |
| 10467  | 4.50E-04 | cDNA, 3' end /clone=IMAGE:826617                         | AA521497                                | Hs.272095   | NP_690601 |
|        |          | /clone_end=3' /gb=AA521497                               |   |             |           |
|        | *.       | /gi=2262040 /ug=Hs.272095 /len=657                       |   |             |           |
| 10491  | 0.017288 | UI-H-DH0-aul-j-10-0-UI.ş1                                | BM994461                                | Hs.434057   |           |
|        |          | NCI_CGAP_DH0 cDNA clone                                  |   |             |           |
| 7.1    |          | IMAGE 5871081 3', mRNA sequence                          |   |             | ***       |
|        | 1 10     | /clone=IMAGE:5871081 /clone end=3'                       |   |             |           |
|        |          | /gb=BM994461 /gi=19719362                                | 0.0                                     |             |           |
|        |          | /ug=Hs.434057 /len=2059                                  |   |             |           |
|        |          |  |   |             |           |
| 10496  | 0.011238 | zh69e06.s1   | W89192                                  | Hs.194238   | 7 75 7    |
|        | 3.311200 | Soares fetal liver spleen 1NFLS S1                       | 1.00 102                                | 1.13.137230 |           |
|        |          | cDNA clone IMAGE:417346 3', mRNA                         | * 7                                     |             |           |
|        |          | sequence /clone=IMAGE:417346                             |   |             |           |
| ·      | . 1      | /clone_end=3' /gb=W89192                                 | , () · · · ·                            |             |           |
| - 1.21 | rs       | /gi=1404504 /ug=Hs.194238 /len=471                       | * **                                    |             |           |
| 10407  | 0.005000 |  | C 4 400000                              | 11- 20200   |           |
| 10497  | 0.005898 | UI-H-DF0-bek-n-06-0-UI.s1                                | CA426336                                | Hs.20300    |           |
| 30.0   |          | NCI_CGAP_DF0 cDNA clone UI-H-DF0                         |   | * -         |           |
|        |          | bek-n-06-0-UI 3', mRNA sequence                          | 3                                       |             |           |
| :.     |          | /clone=UI-H-DF0-bek-n-06-0-UI                            |   |             |           |
|        |          | /clone_end=3' /gb=CA426336                               |   |             |           |
|        |          | /gi=24789062 /ug=Hs.20300 /len=1060                      |   | (           | 0         |
|        |          | (i) (i) (i) (ii) (ii) (ii) (ii) (ii) (i                  |   |             |           |
| 10504  | 0.025911 | AGENCOURT_8152128  | BU145410                                | Hs.304440   |           |
|        |          | Lupski_dorsal_root_ganglion cDNA                         |   |             |           |
|        |          | clone IMAGE:6184005 5', mRNA                             |   |             |           |
|        | ,        | sequence /clone=IMAGE:6184005                            |   |             |           |
|        |          | /clone_end=5' /gb=BU145410                               |   |             |           |
|        |          | /gi=22658942 /ug=Hs.304440 /len=889                      |   |             |           |
| -      |          |  |   | L           |           |
| 10506  | 0.018784 | K-EST0187941 L14ChoiCK0 cDNA                             | CB135678                                | Hs.435110   | ,         |
|        |          | clone L14ChoiCK0-30-C05 5', mRNA                         |   | ti v        | ,         |
| •      |          | sequence /clone=L14ChoiCK0-30-C05                        | ` ÷                                     | * * *       |           |
|        |          | /clone_end=5' /gb=CB135678                               | • | 1           | ÷         |
|        |          | /gi=28102621 /ug=Hs.435110 /len=419                      |   |             |           |
|        |          |  |   | Ŀ .         |           |
| 10509  | 0.009388 | UI-H-DF0-bek-k-02-0-UI.s1                                | CA426088                                | Hs.285174   |           |
|        |          | NCI_CGAP_DF0 cDNA clone UI-H-DF0                         |   |             |           |
|        | ļ.,      | bek-k-02-0-UI 3', mRNA sequence                          | ,                                       | j. ·        |           |
|        | i è      | /clone=UI-H-DF0-bek-k-02-0-UI                            | • .                                     |             |           |
|        |          |  |   |             |           |
|        | . '      |  |   |             |           |
|        |          | /clone_end=3' /gb=CA426088<br>/gi=24788814 /ug=Hs.285174 | )                                       |             |           |

|       |          | nding To Differentially Expressed Gen                                      |                       |                                       |                             |
|-------|----------|--|-----------------------|---------------------------------------|-----------------------------|
| Spot  | p-value  | Description  | Gene<br>Accession No. | Unigene<br>Acc ssion<br>No.           | Protein<br>Accession<br>No. |
| 10511 | 0.011238 | cDNA FLJ34603 fis, clone<br>KIDNE2013388. /gb=AK091922                     | AK091922              | Hs.304130                             | INO.                        |
| •     |          | /gi=21750400 /ug=Hs.304130<br>/len=1992                                    |                       |                                       |                             |
| 10512 | 0.043799 | POLY A   |                       |                                       |                             |
| 10518 | 0.015895 | UI-H-EI1-ayz-p-10-0-UI s1<br>NCI_CGAP_EI1 cDNA clone                       | BQ006715              | Hs.29088                              | ·                           |
|       |          | IMAGE:5845881 3', mRNA sequence<br>/clone=IMAGE:5845881 /clone end=3'      | ** . * .              |                                       | . 4                         |
|       |          | /gb=BQ006715 /gi=19731615<br>/ug=Hs.29088 /len=1062                        |                       |                                       | * *                         |
|       |          |  |                       | 7                                     |                             |
| 10520 | 0.005325 | ribosomal protein L35a (RPL35A),<br>mRNA /cds≂(74,406) /gb=NM_000996       | NW_000996             | Hs.288544                             | NP_000987                   |
|       |          | /gi=16117790 /ug=Hs.288544 /len=511  |                       | :                                     |                             |
| 10535 | 0.014599 | heterogeneous nuclear ribonucleoprotein U (scaffold                        | NM_031844             | Hs.103804                             | NP_114032                   |
| •     | ·        | attachment factor A) (HNRPU),  |                       |                                       |                             |
| ė     |          | transcript variant 1, mRNA<br>/cds=(218,2692) /gb=NM_031844                |                       |                                       |                             |
|       |          | /gi=14141162 /ug=Hs.103804<br>/len=3500                                    | *                     |                                       |                             |
| 10536 | 0.011238 | nascent-polypeptide-associated complex alpha polypeptide (NACA),           | NM_005594             | Hs.32916                              | NP_005585                   |
|       | ***      | mRNA /cds=(26,673) /gb=NM_005594   |                       | •                                     | -                           |
|       |          | /gi=5031930 /ug=Hs.32916 /len=797  | *                     |                                       |                             |
| 10539 | 2.32E-04 | ribosomal protein, large, P1 (RPLP1),<br>mRNA /cds=(130,474) /gb=NM_001003 | NM_001003             | Hs.424299                             | NP_000994                   |
|       |          | /gi=16905511 /ug=Hs.424299 /len=512  |                       |                                       |                             |
| 10544 | 0.003183 | hypothetical protein LOC153339<br>(LOC153339), mRNA /cds=(21,239)          | NM_174909             | Hs.374538                             | NP_777569                   |
|       |          | /gb=NM_174909 /gi=28372532<br>/ug=Hs.374538 /len=726                       | 1                     | , , , , , , , , , , , , , , , , , , , |                             |
| 10547 | 0.030249 | mRNA; cDNA DKFZp564B032 (from  | AL049975              | Hs.274510                             |                             |
| . •   |          | clone DKFZp564B032) /gb=AL049975<br>/gi=4884225 /ug=Hs.274510 /len=1943    |                       |                                       |                             |
| 10551 | 0.007107 | EST(cDNA clone IMAGE:814978 3'   | AA465709              |                                       |                             |
| ·     |          | similar to TR:E91737 E91737<br>REVERSE TRANSCRIPTASE                       | *                     | ,                                     |                             |
|       | X        | HOMOLOG {L1 REPETITIVE ELEMENT}; contains L1.t1 L1 repetitive              | * .<br>*-             |                                       | e e                         |
| 10555 | 0.015895 | element ; )<br>clone IMAGE:5001859, mRNA                                   | BC040072              | Hs.194051                             |                             |
|       |          | /gb=BC040072 /gi=25303948<br>/ug=Hs.194051 /len=3016                       |                       |                                       |                             |

|            |             | nding To Differentially Express d Gen    | Gene                                  |             | Duntain .  |
|------------|-------------|--|---------------------------------------|-------------|--|
| Spot       | p-value     | Description                              |                                       | Unigene     | Protein  |
|            |             |  | Accession No.                         | Accession   | Accession  |
| . 1 2      |             |  |                                       | No.         | No.  |
| 10558      | 0.017288    | ESTs, cDNA /clone=IMAGE:1372579          | AA833868                              | Hs.156300   |  |
|            |             | /gb=AA833868 /gi=2908636                 |                                       |             |  |
|            |             | /ug=Hs.156300 /len=495                   |                                       |             | L  |
| 10568      | 0.032636    | UI-E-EO1-ajd-j-06-0-UI.s1 UI-E-EO1       | BM683224                              | Hs.445152   |  |
| - <b>4</b> | *1          | cDNA clone UI-E-EO1-ajd-j-06-0-UI 3',    |                                       |             |  |
|            |             | mRNA sequence /clone=UI-E-EO1-ajd-j      |                                       |             |  |
|            | 3-          | 06-0-UI /clone_end=3' /gb=BM683224       | 1.0                                   |             |  |
|            | 4           | /gi=18993120 /ug=Hs.445152               |                                       | , ,,        | İ  |
| •          |             | /len=1041                                |                                       |             |  |
| 10574      | 0.022802    | cDNA FLJ38300 fis, clone                 | AK095619                              | Hs.34969    | 1 3 3 4 5  |
|            |             | FCBBF3017288. /gb=AK095619               | -                                     | *           |  |
| •          |             | /gi=21754917 /ug=Hs.34969 /len=3695      |                                       | . )         |  |
|            |             |  |                                       | 9.0         |  |
| 10583      | 0.02801     | AV700930 GKC cDNA clone                  | AV700930                              | Hs.285894   |  |
| .0000      | 0,0200      | GKCBRB12 3', mRNA sequence               | ,                                     | 110.20001   |  |
| . *        |             | /clone=GKCBRB12 /clone end=3'            | 32                                    |             |  |
| 8 44       | s :         | /gb=AV700930 /gi=10302901                | 7                                     |             | 4.   |
|            |             | /ug=Hs.285894 /len=746                   |                                       |             |  |
| 10593      | 0.003803    | twisted gastrulation 1 (Drosophila)      | NM 020648                             | Hs.247302   | NP 065699  |
| 10393      | 0.002893    | (TWSG1), mRNA /cds=(106,777)             |                                       | 115.247 502 | ME_000099  |
|            |             |  |                                       |             | }  |
|            | 19          | /gb=NM_020648 /gi=21314788               |                                       | -           |  |
| 40504      | 0.040070    | /ug=Hs.247302 /len=3693                  | D0575000                              | 11- 445500  |  |
| 10594      | 0.012276    | UI-H-EZ1-bbh-j-15-0-UI.s1                | BQ575990                              | Hs.445509   | -350   |
|            |             | NCI_CGAP_Ch2 cDNA clone UI-H-EZ1         | 1000                                  | 1           |  |
|            | * * * * * * | bbh-j-15-0-UI 3', mRNA sequence          | *                                     |             |  |
|            |             | /clone=UI-H-EZ1-bbh-j-15-0-UI            |                                       |             |  |
| . ,        |             | /clone_end=3' /gb=BQ575990               | •                                     |             |  |
|            | -           | /gi=21479307 /ug=Hs.445509               |                                       |             | 7  |
|            |             | /len=1032                                |                                       | <u> </u>    |  |
|            |             | EST(cDNA clone IMAGE:5402358 5')         | BI868276                              |             | NP_003109  |
| 10600      | 0.017288    | EST(cDNA clone IMAGE:429436 3'           | AA007616                              |             |  |
|            |             | similar to contains L1.t1 L1 repetitive  |                                       |             |  |
|            | -           | element;)                                | -                                     |             |  |
| 10603      | 0.009388    | eukaryotic translation elongation factor | NM_001402                             | Hs.422118   | NP_001393  |
|            |             | 1 alphą 1 (EEF1A1), mRNA                 |                                       | •           |  |
| •          |             | /cds=(63,1451) /gb=NM_001402             |                                       | e .         |  |
|            |             | /gi=25453469 /ug=Hs.422118               |                                       |             | l.   |
|            |             | /len=1837                                |                                       |             |  |
| 10610      | 0.002337    | cDNA, 3' end /clone=IMAGE:3476408        | BF058813                              | Hs.319312   | NP 001454  |
|            |             | /clone_end=3' /gb=BF058813               | 1                                     |             |  |
|            |             | /gi=10812709 /ug=Hs.319312 /len=382      | • ,                                   |             | 1  |
|            |             | 3  | , , , , , , , , , , , , , , , , , , , |             |  |
| 10612      | 0.023945    | cDNA FLJ39382 fis, clone                 | AK096701                              | Hs.293799   |  |
|            |             | PERIC2000473. /gb=AK096701               |                                       | 1.5.255. 90 |  |
|            |             | /gi=21756253 /ug=Hs.293799               | , .                                   | , .         |  |
|            | ]           | /len=2425                                |                                       |             | 1 1  |
| 10621      | 0.000300    | EST (383946 MAGE resequences             | AW971857                              |             | <del>                                     </del> |
| 10021      | 10.009300   |  | WAAA1 1001                            | 1           | *  |
|            | L           | MAGL) EST(cDNA clone IMAGE:4775876-5')   | BG740183                              | <u> </u>    | NP-078806  |

|       |          | nding To Differentially Expressed Gen |   |            |           |
|-------|----------|---------------------------------------|---|------------|-----------|
| Spot  | p-value  | Description                           | Gene                                    | Unigene    | Protein   |
|       |          |                                       | Accession No.                           | Accession  | Accession |
|       |          | *                                     |   | No.        | No.       |
| 10628 | 0.018784 | ESTs, cDNA, 3' end                    | AI732470                                | Hs.191157  | 1         |
|       | 4        | /clone=IMAGE:565677 /clone_end=31     | -:                                      |            |           |
|       |          | /gb=AI732470 /gi=5053583              | - · · · · · · · · · · · · · · · · · · · |            |           |
|       |          | /ug=Hs.191157 /len=596                |   |            |           |
| 0633  | 0.032636 | UI-E-CL1-afa-n-02-0-UI.r1 UI-E-CL1    | BM696235                                | Hs.446332  |           |
|       |          | cDNA clone UI-E-CL1-afa-n-02-0-UI 5', |   |            |           |
|       |          | mRNA sequence /clone=UI-E-CL1-afa-    |   | * **       |           |
|       |          | n-02-0-UI /clone end=5'               |   | <u> </u>   |           |
|       | -        | /gb=BM696235 /gi=19009493             |   |            |           |
| . 3   |          | /ug=Hs.446332 /len=1366               |   |            |           |
| 10634 | 0.030388 | 7b59h11.x1 NCI_CGAP_Lu24 cDNA         | BE550855                                | Hs.282143  |           |
| 10034 | 0.020300 | clone IMAGE:3232581 3', mRNA          | DE330033                                | 15.202143  |           |
|       |          |                                       |   | [          |           |
|       |          | sequence /clone=IMAGE:3232581         |   |            |           |
|       |          | /clone_end=3' /gb=BE550855            |   |            |           |
|       | 0.005005 | /gi=9792547 /ug=Hs.282143 /len=537    | 11/000000                               | 11 110070  |           |
| 10636 | 0.005325 | cDNA FLJ13571 fis, clone              | AK023633                                | Hs.116278  |           |
|       |          | PLACE1008405. /gb=AK023633            |   |            |           |
|       |          | /gi=10435617 /ug=Hs.116278            |   |            |           |
|       |          | /len=2484                             |   |            |           |
| 10642 | 3.47E-04 | HSC3IC021 normalized infant brain     | F13068                                  |            |           |
| ·     |          | cDNA cDNA clone c-3ic02               |   |            |           |
| 10645 | 0.014599 | qp48e07.x1 NCI_CGAP_Co8 cDNA          | Al346102                                | Hs. 193566 |           |
| -     |          | clone IMAGE:1926276 3' similar to     |   |            |           |
|       |          | gb:X56411_rna1 ALCOHOL                | \$ 00 mg                                |            |           |
| · ·   |          | DEHYDROGENASE CLASS II PI             | * * *                                   |            |           |
| **    |          | CHAIN mRNA sequence                   |   |            |           |
|       |          | /clone=IMAGE:1926276 /clone_end=3'    |   |            | 1         |
|       |          | /gb=Al346102 /gi=4083308              |   |            |           |
|       |          | /ug=Hs.193566 /len=718                |   |            |           |
| 10648 | 0.002337 | EST, cDNA, 3' end                     | BQ002644                                | Hs.364307  |           |
| 10010 | 0.002007 | /clone=IMAGE:5843665 /clone end=3'    | B00020-1                                | 113.001001 |           |
| ÷ ,   |          | /gb=BQ002644 /gi=19727544             |   |            |           |
|       |          | /ug=Hs.364307 /len=762                |   |            |           |
|       | }        | 749-115.304307 Nett-702               |   |            |           |
| 10668 | 0.022106 | UI-H-FH1-bfh-g-05-0-UI.s1             | BU618251                                | Hs.396671  |           |
| 10000 | 0.022100 | INCL CGAP FH1 cDNA clone UI-H-FH1     |   | 118.380011 |           |
|       | [        |                                       |   |            |           |
| 15    |          | bfh-g-05-0-UI 3', mRNA sequence       | * .                                     |            | . *       |
|       |          | /clone=UI-H-FH1-bfh-g-05-0-UI         |   |            |           |
|       |          | /clone_end=3' /gb=BU618251            |   |            |           |
| · .   |          | /gi=23284466 /ug=Hs.396671            |   |            |           |
|       |          | /len=1126                             |   |            |           |
|       |          | EST(cDNA clone IMAGE:3698005 3')      | BF593414                                |            | NP_598411 |
| 10683 | 0.018784 | EST388886 MAGE resequences,           | AW976777                                | Hs.223578  |           |
|       |          | MAGO cDNA, mRNA sequence              |   |            |           |
|       |          | /gb=AW976777 /gi=8168011              | 1                                       | *          |           |
|       |          | /ug=Hs.223578 /len=519                | <u> </u>                                | *          |           |
| 10684 | 0.007807 | EST(cDNA clone IMAGE:4090855 3')      | BF447403                                |            | NP_002806 |
|       |          | No significant match                  | SEQ.ID.No.46                            |            |           |
|       |          | Novel, ORF-3(250~456),-2(332~499)     | SEQ.ID.No.98 -                          |            |           |

|       | p-value  | nding To Differentially Expressed Gen Description              | Gene                                    | Unigene          | Protein          |
|-------|----------|--|---|------------------|------------------|
| Opor  | p-value  | Description  | Accession No.                           | Accession<br>No. | Accession<br>No. |
| 10723 |          | No significant match   | CEO ID No AE                            |                  | · ·              |
| 10700 |          | (ORF:+2:332~437[107])  | SEQ.ID.No.15                            | 11 00004         | ND 440407        |
| 10729 | 0.001878 | myc-induced nuclear antigen, 53 kDa                            | NM_032778                               | Hs.23294         | NP_116167        |
|       | 2 0 0    | (MINA53), transcript variant 2, mRNA                           |   |                  | 1                |
|       |          | /cds=(214,1608) /gb=NM_032778                                  | <i>'</i> .                              |                  |                  |
|       | + 1. 1   | /gi=23346417 /ug=Hs.23294 /len=2221                            |   |                  |                  |
| 10746 | 0.008566 | No significant match   | · 27                                    | V 100            |                  |
| .00   | 5.555555 | (ORF:+3:69~302[234])   | SEQ.ID.No.27                            |                  | 7                |
| 10779 | 0.018784 | EST (ADB cDNA clone ADBAKA02 5')                               | AV704531                                |                  |                  |
| 10773 | 0.010704 | COT (ADB CDIVA Clotte ADBAICAGE 3)                             | AV704331                                |                  |                  |
| 10787 | 0.006463 | cDNA FLJ37147 fis, clone                                       | AK094466                                | Hs.420088        |                  |
|       |          | BRACE2025316, weakly similar to                                |   | *                |                  |
|       |          | tRNA-splicing endonuclease subunit.                            |   |                  |                  |
|       |          | /cds=(26,559) /gb=AK094466                                     |   |                  |                  |
|       | 16       | /gi=21753534 /ug=Hs.420088                                     | Y.                                      |                  |                  |
|       |          | /len=1738  |   |                  |                  |
| 10797 | 0.040751 | EST (366564 MAGE resequences                                   | AW954494                                |                  | 1 1              |
|       |          | MAGC)  |   |                  |                  |
| 10798 | 0.013394 | EST (ta16g05.x1 NCI_CGAP_Lym5                                  | Al471814                                |                  |                  |
|       |          | IMAGE:2044280 3')  |   |                  |                  |
| 10799 | 0.012276 | cDNA FLJ11934 fis, clone                                       | AK021996                                | Hs.261699        |                  |
|       |          | HEMBB1000510. /gb=AK021996                                     | * |                  |                  |
|       |          | /gi=10433305 /ug=Hs.261699                                     |   |                  |                  |
|       |          | /len=2599  |   |                  |                  |
| 10802 | 0.023945 | cDNA FLJ39992 fis, clone                                       | AK097311                                | Hs.126083        |                  |
|       | * *      | STOMA2001025, moderately similar to                            |   |                  | į,               |
|       |          | RNA-binding protein (RBMS3) mRNA.                              |   |                  |                  |
|       |          | /gb=AK097311 /gi=21757015                                      |   |                  |                  |
| -     |          | /ug=Hs:126083 /len=1490  |   |                  |                  |
| 10804 | 0.009388 | EST (yr74c11.s1 Soares fetal liver                             | H65780                                  | -                | 104              |
|       |          | spleen 1NFLS IMAGE:211028 3')                                  | -                                       |                  |                  |
| 10805 | 0.002893 | EST(ak84d11.s1 Barstead spleen                                 | AA845289                                |                  |                  |
|       |          | HPLRB2 cDNA clone IMAGE:1414581                                |   | -                | ·                |
|       |          | 3' similar to contains MER10.t3 MER10                          |   |                  |                  |
|       |          | repetitive element)  |   | ,                |                  |
| 10807 | 0.030249 | methyltransferase like 3 (METTL3),                             | NM 019852                               | Hs.268149        | NP 062826        |
|       |          | mRNA /cds=(87,1829) /gb=NM_019852                              | _                                       |                  |                  |
|       | ļ · ·    | /gi=21361826 /ug=Hs.268149                                     | ,                                       | ļ                |                  |
|       |          | /len=1959  | *                                       |                  |                  |
| 10810 | 2.32E-04 | EST np88f03.s1 NCI CGAP_Thy1                                   | AA632906                                | 1                |                  |
|       | [ -      | cDNA clone IMAGE:1133405                                       |   |                  | ·                |
| 10811 | 0.010277 | EST from clone 208499, full insert                             | AL355688                                | Hs.6655          | 1                |
| F 41. |          | /gb=AL355688 /gi=7799136                                       |   |                  |                  |
|       |          | /ug=Hs.6655 /len=1831  |   |                  | 1                |
|       |          |  | NM_024755                               | Hs.331328        | NP 079031        |
| 10815 | 0.003213 | INVONINGUCAL DINIGIA EL 113213                                 |   |                  |                  |
| 10815 | 0.003213 | hypothetical protein FLJ13213 (FL I13213) mRNA (cds=(234 1670) | 114141_024755                           | 113.551526       | _0/303/          |
| 10815 | 0.003213 | (FLJ13213), mRNA /cds=(234,1670)<br>/gb=NM 024755 /gi=13376087 | (MW_024733                              | 115.551526       | 141 _079051      |

|          |            | nding To Differentially Expressed Gen | es in Figure 20 -  | RA                                    |                    |
|----------|------------|---------------------------------------|--------------------|---------------------------------------|--------------------|
| Spot     | p-value    | Description                           | G ne               | Unigene                               | Protein            |
|          | <i>.</i> * |                                       | Accession No.      | Accession                             | Accession          |
|          |            |                                       |                    | No.                                   | No.                |
| 10816    | 0.017755   | hypothetical protein FLJ10769         | NM <u>-</u> 018210 | Hs.8083                               | NP_060680          |
|          |            | (FLJ10769), mRNA /cds=(15,1187)       | ****               | i i i i i i i i i i i i i i i i i i i |                    |
|          |            | /gb=NM_018210 /gi=8922653             |                    | *                                     | · .                |
| ·        |            | /ug=Hs.8083 /len=2659                 | <u> </u>           |                                       |                    |
| 10819    | 0.002337   | EST (integral membrane protein 2A,    | BC010511           |                                       | NP_004858          |
|          | ·          | clone IMAGE:4149910, mRNA)            |                    |                                       | ·                  |
| 10820    | 0.00587    | hypothetical protein MGC39497         | NM_152436          | Hs.406728                             | NP_689649          |
| . [      | 7.         | (MGC39497), mRNA /cds=(9,770)         | *                  |                                       |                    |
| -8-      |            | /gb=NM_152436 /gi=22748922            |                    |                                       |                    |
| احقيت    |            | /ug=Hs.406728 /len=1745               |                    | 00<br>01/                             |                    |
| 10825    | 0.014599   | ribosomal protein L13 (RPL13),        | NM_033251          | Hs.431392                             | NP_150254          |
|          |            | transcript variant 2, mRNA            |                    |                                       |                    |
|          |            | /cds=(238,873) /gb=NM_033251          |                    | •                                     |                    |
|          | *          | /gi=15431294 /ug=Hs.431392            |                    |                                       | î.                 |
| ,*       | 1          | /len=1296                             |                    |                                       |                    |
| 10835    | 0.018784   | UI-1-BC1p-ati-g-12-0-UI.s1            | BQ011970           | Hs.28625                              |                    |
|          |            | NCI_CGAP_PI3 cDNA clone UI-1-BC1p     |                    |                                       |                    |
|          |            | ati-g-12-0-UI 3', mRNA sequence       |                    |                                       |                    |
|          |            | /clone=UI-1-BC1p-ati-g-12-0-UI        | 8                  |                                       |                    |
|          |            | /clone_end=3' /gb=BQ011970            |                    | <b>.</b>                              |                    |
|          |            | /gi=19736871 /ug=Hs.28625 /len=1149   | 6                  |                                       |                    |
|          |            |                                       |                    |                                       |                    |
| 10836    | 0.030249   | EST (nj28d04.s1:NCI_CGAP_AA1          | AA600996           | , v                                   |                    |
| <u> </u> |            | cDNA clone IMAGE:993799 3')           |                    |                                       |                    |
| 10837    | 0.014599   | cDNA FLJ10878 fis, clone              | AK001740           | Hs.15144                              | NP_064715          |
|          |            | NT2RP4001893, highly similar to       |                    |                                       |                    |
| 0.       |            | mRNA; cDNA DKFZp564O043.              | •                  | . 1                                   | = ,                |
|          |            | /gb=AK001740 /gi=7023191              |                    |                                       | •                  |
|          |            | /ug=Hs.15144 /len=2599                |                    | *                                     |                    |
| 10839    | 0.003563   | calcium binding protein Cab45         | NM_016547          | Hs.42806                              | NP_057631          |
|          |            | precursor (Cab45), mRNA               |                    |                                       | ) · <del>-</del> · |
|          | *          | /cds=(294,1340) /gb=NM_016547         |                    |                                       |                    |
|          |            | /gi=7706572 /ug=Hs:42806 /len=2092    |                    |                                       |                    |
| 10840    | 0.017288   | hypothetical protein FLJ11292         | NM_018382          | Hs.272246                             | NP_060852          |
|          |            | (FLJ11292), mRNA /cds=(151,615)       |                    |                                       |                    |
|          |            | /gb=NM_018382 /gi=8922980             |                    |                                       |                    |
|          |            | /ug=Hs.272246 /len=1948               |                    |                                       |                    |
| 10841    | 7.41E-04   | zinc finger protein 306 (ZNF306),     | NM_024493          | Hs.66774                              | NP_077819          |
| }        |            | mRNA /cds=(149,1765)                  | 3                  |                                       | 7                  |
| 1        |            | /gb=NM_024493 /gi=24308296            | •                  |                                       |                    |
|          | ·          | /ug=Hs:66774 /len=2242                |                    |                                       |                    |
| 10851    | 0.047031   | EST xr58h08.x1 NCI_CGAP_Ov26          | AW303034           |                                       |                    |
|          |            | cDNA clone IMAGE:2764383 3'           |                    |                                       |                    |
| 10873    | 0.002893   | 601156470F1 NIH_MGC_21 cDNA           | BE279006           | Hs.444551                             |                    |
| į        | . 1        | clone IMAGE:3140104 5', mRNA          |                    |                                       |                    |
| . ]      |            | sequence /clone=IMAGE:3140104         | • .                | . 1                                   | ,                  |
|          |            | /clone_end=5' /gb=BE279006            |                    |                                       | * *-               |
| 1        |            | /gi=9153993 /ug=Hs.444551 /len=549    |                    |                                       |                    |

|       |          | nding To Differentially Express d Gen    |               |                                       | <del>-</del>   |
|-------|----------|--|---------------|---------------------------------------|--|
| Spot  | p-value  | Description                              | Gen           | Unigene                               | Protein  |
|       |          |  | Accession No. | Accession                             | Accession  |
|       |          |  |               | No.                                   | No.  |
| 10875 | 0.047031 | cDNA FLJ39179 fis, clone                 | AK096498      | Hs.104935                             |  |
| 4     |          | OCBBF2004147. /gb=AK096498               |               | _                                     |  |
|       |          | /gi=21756010 /ug=Hs.104935               |               | *                                     |  |
|       |          | /len=2760                                |               |                                       |  |
| 10877 | 0.02801  | AGENCOURT_6531719                        | BM547886      | Hs.355559                             | 1  |
|       |          | NIH_MGC_124 cDNA clone                   |               |                                       |  |
|       |          | IMAGE:5732630 5', mRNA sequence          |               | 8 1                                   | 0.0  |
|       |          | /clone=IMAGE:5732630 /clone end=5'       |               |                                       |  |
|       |          | /gb=BM547886./gi=18782032                |               |                                       | -1   |
|       |          | /ug=Hs.355559 /len=1182                  |               |                                       |  |
|       |          | 10.000000700127702                       | *             |                                       |  |
| 10878 | 0.010277 | mRNA; cDNA DKFZp762N1910 (from           | AL834470      | Hs.406377                             | 10 at 100 to 100 |
| 10070 | 0.010277 | clone DKFZp762N1910) /cds=(1,1892)       | /\LO344/0     | 113.400077                            |  |
|       |          | /gb=AL834470 /gi=21740235                |               | P                                     |  |
|       |          | /ug=Hs.406377 /len=2617                  |               | *                                     |  |
|       | ين لايت  | /ug=ns.4063///ien=261/                   |               |                                       | 120  |
| 40000 | 0.00004  |  | NA 005000     | 11 000000                             | ND 005000  |
| 10882 | 0.02801  | protein phosphatase 1, regulatory        | NM_005398     | Hs.303090                             | NP_005389  |
|       |          | (inhibitor) subunit 3C (PPP1R3C),        |               |                                       |  |
| ·     |          | mRNA /cds=(58,1011) /gb=NM_005398        |               |                                       |  |
| •     |          | /gi=21314622 /ug=Hs.303090               |               |                                       | -)-  |
|       |          | /len=2524                                | <u> </u>      |                                       |  |
| 10887 | 0.018784 | EST(CIT-HSP-2366I22.TF CIT-HSP           | AQ078010      |                                       |  |
| * *   |          | genomic clone 2366I22)                   |               | *                                     |  |
| 10889 | 0.032636 | hypothetical protein MGC10854            | NM_032300     | Hs.22222                              | NP_115676  |
| ;     |          | (MGC10854), mRNA /cds=(135,1631)         |               |                                       |  |
|       |          | /gb=NM_032300 /gi=14150055               | \$-           | <u>]</u>                              |  |
| •     |          | /ug=Hs.22222 /len=2099                   |               |                                       |  |
| 10891 | 0.040751 | EST(yh69b07.r1 Soares placenta           | R31623        |                                       | 1.37   |
|       |          | Nb2HP cDNA clone IMAGE:134965 5'         |               |                                       |  |
|       | <b>.</b> | similar to contains Alu repetitive       |               | , ; ;                                 |  |
| 1.    |          | element)                                 |               |                                       |  |
| 10900 | 0.047031 | UI-1-BC1p-asx-h-02-0-UI.s1               | BQ012708      | Hs.191900                             | 1990   |
| .0000 | 0.511501 | NCI CGAP PI3 cDNA clone UI-1-BC1p        |               | 1,10.10.1000                          | *  |
| : I   | 4        | asx-h-02-0-UI 3', mRNA sequence          |               |                                       |  |
|       | ]        | /clone=UI-1-BC1p-asx-h-02-0-UI           | *.            |                                       |  |
|       |          | /clone_end=3' /gb=BQ012708               |               |                                       |  |
| • .   | , , ,    | /gi=19737609 /ug=Hs.191900 /len=590      |               | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | [ ]  |
| ٠.    |          | rgi- 19737009 /ug-ms. 191900 /left=590   |               |                                       | (  |
| 10004 | 0.047024 | CCP4 NOT transprintion complete          | NIM 012254    | He 390063                             | ND 472267  |
| 10901 | 0.04/037 | CCR4-NOT transcription complex,          | NM_013354     | Hs.380963                             | NP_473367  |
|       |          | subunit 7 (CNOT7), transcript variant 1, |               |                                       |  |
|       | ]        | mRNA /cds=(340,1128)                     |               | Ē                                     |  |
|       |          | /gb=NM_013354 /gi=17978498               |               |                                       | }  |
|       | L        | /ug=Hs.380963 /len=2653                  |               |                                       |  |
| 10909 | 3.47E-04 | EST (MR1-SN0062-100500-002-g03           | AW868480      |                                       |  |
|       |          | SN0062 cDNA)                             |               |                                       | 10   |
| 10916 | 5.79E-04 | EST(UI-HF-BN0-aln-e-12-0-UI.r1           | AW504804      |                                       | NP_060179  |
|       |          | NIH_MGC_50 cDNA clone                    |               |                                       |  |
|       |          | IMAGE:3080182 5')                        |               | } .                                   | · · · · · · .  |

|              |          | nding To Differentially Expressed G n |  |                                      | 22 1123 1 123                           |  |
|--------------|----------|---------------------------------------|--|--------------------------------------|---|--|
| Spot         | p-valu   | Description                           | Gene   | Unigen                               | Protein                                 |  |
|              | - 0      | `* <u>.</u>                           | Accession No.                                    | Accession                            | Accession                               |  |
| -            |          |                                       |  | No.                                  | No.                                     |  |
| 10917        | 0.012276 | activated RNA polymerase II           | NM 006713  | Hs.349506                            | NP 006704                               |  |
|              |          | transcription cofactor 4 (PC4), mRNA  | <del>,                                    </del> |                                      |   |  |
| <b>-</b> - ' |          | /cds=(57,440) /gb=NM_006713           |  |                                      |   |  |
|              | , *      | /gi=19923783 /ug=Hs.349506            | V  |                                      |   |  |
|              | /i       | /len=1336                             |  |                                      |   |  |
| 10925        | 6.56E-04 | clone IMAGE:4401491, mRNA             | BC015388   | Hs.380349                            | - X - 1                                 |  |
| 1032,3       | 0.502-04 | /gb=BC015388 /gi=21955390             | D001000  | 113.300343                           |   |  |
|              |          | /ug=Hs.380349 /len=1881               |  | *                                    |   |  |
| 10935        | 0.042700 | ribosomal protein S20 (RPS20), mRNA   | NIM 001022                                       | Hs.8102                              | NP_001014                               |  |
| 10935        | 0.043799 |                                       | NIVI_001023                                      | I S.0 102                            | NP_001014                               |  |
|              |          | /cds=(128,487) /gb=NM_001023          |  | (3)                                  |   |  |
| ÷ :          |          | /gi=14591915 /ug=Hs.8102 /len=539     |  |                                      |   |  |
|              |          |                                       |  |                                      |   |  |
| 10943        | 9.43E-04 | mRNA; cDNA DKFZp547K0918 (from        | AL832566   | Hs.271324                            |   |  |
|              |          | clone DKFZp547K0918) /gb=AL832566     | •  |                                      |   |  |
|              |          | /gi=21733141 /ug=Hs.271324            |  |                                      | - 1 · · · ·                             |  |
|              |          | /len=1883                             |  |                                      |   |  |
| 0949         | 7.41E-04 | yo73e02.s1 Soares breast 3NbHBst      | H44042   | Hs.391565                            |   |  |
|              |          | cDNA clone IMAGE:183578 3', mRNA      |  |                                      |   |  |
|              |          | sequence /clone=IMAGE:183578          |  | , ÷                                  |   |  |
| *            |          | /clone_end=3' /gb=H44042 /gi=920094   |  |                                      |   |  |
|              |          | /ug=Hs.391565 /len=417                | *  |                                      | ·                                       |  |
| 10959        | 0.035177 | 7p65g03.x1 NCI_CGAP_Pr28 cDNA         | BF436898   | Hs.213352                            | 11.15                                   |  |
| 10333        | 0.033177 | clone IMAGE:3650861 3', mRNA          | 151-430090                                       | 113.213332                           |   |  |
|              |          |                                       |  | , , , , ,                            |   |  |
|              |          | sequence /clone=IMAGE:3650861         |  |                                      |   |  |
|              |          | /clone_end=3' /gb=BF436898            | * *  |                                      |   |  |
|              |          | /gi=11449213 /ug=Hs.213352 /len=426   |  |                                      |   |  |
|              |          |                                       |  |                                      |   |  |
| 10976        | 0.013394 | in56e04.x1. HR85 islet cDNA clone     | BU784825   | Hs.442971                            |   |  |
|              |          | IMAGE:6126055 3', mRNA sequence       | -  |                                      |   |  |
|              |          | /clone=IMAGE:6126055 /clone_end=3'    |  | , X                                  |   |  |
|              |          | /gb=BU784825 /gi=23830229             |  |                                      | • |  |
| •            | . (*     | /ug=Hs.442971 /len=548                |  |                                      |   |  |
|              |          |                                       |  |                                      |   |  |
| 0980         | 0.02801  | ESTs, cDNA, 3' end                    | AA845360   | Hs.42366                             |   |  |
|              |          | /clone=IMAGE:1404727 /clone_end=3'    |  | ्राच्या <del>चित्रक्त</del><br>विकास | . ·                                     |  |
|              |          | /gb=AA845360 /gi=2933119              |  |                                      |   |  |
|              |          | /ug=Hs.42366 /len=566                 | *  |                                      |   |  |
| 10984        | 0.025911 | ESTs, cDNA, 3' end                    | AI796655   | Hs.132315                            | 1                                       |  |
| 10904        | 0.025911 |                                       | A1790000   | П5. 1323 13                          |   |  |
|              |          | /clone=IMAGE:2385007 /clone_end=3'    |  | - *                                  |   |  |
|              | -        | /gb=Al796655 /gi=5362118              |  |                                      |   |  |
|              |          | /ug=Hs:132315 /len=516                |  |                                      |   |  |
| 10985        | 0.043799 | E1B-55kDa-associated protein 5 (E1B-  | NM_007040  | Hs.155218                            | NP_653335                               |  |
|              |          | AP5), transcript variant 1, mRNA      |  |                                      | 1                                       |  |
|              |          | /cds=(174,2744) /gb=NM_007040         |  |                                      |   |  |
|              |          | /gi=21536325 /ug=Hs.155218            |  |                                      | -                                       |  |
|              |          |                                       |  |                                      |   |  |

| _           |          | nding To Differentially Expr ssed Gen                  |  |                             |                             |
|-------------|----------|--|--|-----------------------------|-----------------------------|
| Spot        | p-valu   | Description  | Gene<br>Accession No.                      | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 10987       | 0.02801  | IMAGE:20075 Soares infant brain 1NIB                   | W18186                                     | Hs.117688                   | 110.                        |
| -           |          | cDNA clone IMAGE:20075, mRNA                           |  |                             | J                           |
|             |          | sequence /clone=IMAGE:20075                            |  |                             |                             |
|             | ا الح    | /gb=W18186 /gi=1293860                                 | y. ()                                      |                             |                             |
| * .         |          | /ug=Hs.117688 /len=1232                                | y v  |                             |                             |
|             |          | , ag 116.17, 550 (16), 1252                            |  |                             | -0.0                        |
| 10994       | 0.010277 | clone IMAGE 3888869, mRNA, partial                     | BC016839                                   | Hs.182885                   | NP 004547                   |
|             |          | cds /cds=UNKNOWN /gb=BC016839                          |  | .10.102000                  | 00 10 11                    |
|             | real     | /gi=16877135 /ug=Hs.182885                             |  | *                           | 4                           |
|             |          | /len=1186  | 00   |                             |                             |
| 11009       | 0.045661 | EST(adult retina cDNA Danio rerio                      | BI880587                                   |                             | - · · · · ·                 |
|             |          | cDNA clone 4201579 3' similar to                       |  |                             | *                           |
| 1, 13       | \$r .    | TR:Q9YH14 Q9YH14                                       |  |                             | 87                          |
|             | 7        | PROGESTERONE RECEPTOR                                  |  |                             |                             |
| *           |          | BINDING PROTEIN.)                                      |  |                             | ;_                          |
| 11019       | 0.040751 | clone 23758 mRNA sequence                              | AF052140                                   | Hs.141055                   |                             |
|             | 0.010101 | /gb=AF052140 /gi=3360449                               | , 1, 002 , 10                              | 110.171000                  | *                           |
|             |          | /ug=Hs.141055 /len=1498                                |  |                             |                             |
| 11021       | 0.013394 | FLJ23302 fis, clone HEP11143                           | AK026955                                   | Hs.367841                   | NP 115652                   |
| , , , , , . | 0.010004 | /cds=UNKNOWN /gb=AK026955                              | 7,11(020000                                | 113.007047                  | 111 _110002                 |
| ==          |          | /gi=10439937 /ug=Hs.287737                             |  |                             | •                           |
|             |          | /len=2509  |  | 1000                        |                             |
| 11044       | 0.020388 |  | H90418                                     |                             | 1                           |
| 11044       | 0.020300 | sapiens cDNA clone IMAGE:241467 3'                     | 1130410                                    |                             |                             |
|             |          | Sapieria CDIVA Cione INIAGE:2414073                    |  |                             |                             |
| 11055       | 9.43F-04 | /<br>UI-E-CL1-aez-f-02-0-UI r1 UI-E-CL1                | BM695854                                   | Hs.21509                    |                             |
| 1 1000      | Ş.40L-04 | cDNA clone UI-E-CL1-aez-f-02-0-UI 5',                  | DIVI093034                                 | 115.21505                   |                             |
| 200 B       | : ;      | mRNA sequence /clone=UI-E-CL1-aez-                     | 7  | p. Mg                       | *                           |
| 5.00        | *        | f-02-0-UI /clone end=5' /gb=BM695854                   |  |                             |                             |
|             |          | /gi=19009112 /ug=Hs.21509 /len=1260                    |  | j :                         | J                           |
|             |          | /gi= 19009112 /ug=[15.2.1509 /lefi=1200                |  | • • •                       |                             |
| 11059       | 0.025011 | UI-E-CQ1-aew-e-07-0-UI.s1 UI-E-CQ1                     | BU728934                                   | Hs.436272                   |                             |
| 1,1009      | Q.023811 | cDNA clone UI-E-CQ1-aew-e-07-0-UI                      | DU120934                                   | 115.4302/2                  | · :                         |
| F .         | . · ·    | 3', mRNA sequence /clone=UI-E-CQ1-                     | + e* = + + + + + + + + + + + + + + + + + + |                             |                             |
|             |          | aew-e-07-0-UI /clone_end=3'                            | 9  |                             |                             |
| 7           | ,        | /gb=BU728934 /gi=23651308                              | ·  |                             |                             |
|             |          | /gb=B0726934 /gi=23631306<br>/ug=Hs.436272 /len=1132   | *  |                             | 1                           |
| 11065       | 0.014500 | clone IMAGE:4043849, mRNA                              | BC013940                                   | Hs.348325                   |                             |
| 1 1000      | 0.014088 | /gb=BC013940 /gi=15530292                              | 13940                                      | 1115.340323                 |                             |
|             |          | /gg=Hs.348325 /len=1355                                |  |                             |                             |
| 11068       | 0.03799  | mRNA; cDNA DKFZp586G1520 (from                         | AL050148                                   | Hs.31834                    |                             |
| 1 1000      | 0.03788  |  | 8.5  | [FIS.3 1034                 |                             |
| į           |          | clone DKFZp586G1520) /gb=AL050148                      | ••   |                             | 1                           |
| 1           | • •      | /gi=4884359 /ug=Hs.31834 /len=3030                     |  |                             |                             |
| 11070       | 0.040754 | aDNA EL 124505 Sa plana                                | A1004004                                   | U6 404007                   | <del> </del>                |
| 11070       | 0.040751 | cDNA,FLJ34585 fis, clone<br>KIDNE2008758. /gb=AK091904 | AK091904                                   | Hs.104627                   |                             |
|             |          | INTERNITOR / 5X /00=AK091904                           |  | I                           | I                           |
|             |          | /gi=21750379 /ug=Hs.104627                             |  | *                           | Į                           |

|             |                  | nding To Differentially Expressed Gen   |                 |            | D-4-1-        |
|-------------|------------------|---|-----------------|------------|---------------|
| Spot        | p-value          | D scription                             | Gene            | Unigene    | Protein       |
|             |                  |   | Accession No.   | Accession  | Accession     |
|             |                  |   |                 | No.        | No.           |
| 11091       | 0.02801          | BX091936 Soares placenta Nb2HP          | BX091936        | Hs.24598   |               |
|             |                  | cDNA clone IMAGp998N02193;              | * .             |            | 1             |
|             |                  | IMAGE:135745, mRNA sequence             |                 |            |               |
|             |                  | /clone=IMAGp998N02193_;_IMAGE:13        |                 |            |               |
|             | C                | 5745 /gb=BX091936 /gi=27822661          |                 |            |               |
|             |                  | /ug=Hs.24598 /len=688                   |                 |            |               |
| 11092       | 0.003213         | ESTs, cDNA, 5' end                      | BG741948        | Hs.355530  | NP: 068747    |
| 11002       | 0.0002.10        | /clone=IMAGE:4779957 /clone_end=5'      | 50141040        | 113.00000  | 1111 _0001 47 |
| <u>.</u> 1. |                  | /gb=BG741948 /gi=14052601               |                 |            |               |
|             |                  |   | , (X)           | P          |               |
|             |                  | /ug=Hs.355530 /len=948                  | 8.5             |            | *             |
|             |                  |   |                 |            |               |
| 1093        | 0.003947         | UI-E-EJ1-aje-j-02-0-UI.r1 UI-E-EJ1      | BM929582        | Hs.159153  |               |
|             |                  | cDNA clone UI-E-EJ1-aje-j-02-0-UI 5',   |                 |            | , , ,         |
|             | 1- 1-            | mRNA sequence /clone=UI-E-EJ1-aje-j-    |                 |            |               |
|             | } * * *          | 02-0-UI /clone_end=5' /gb=BM929582      | .0              |            |               |
|             |                  | /gi=19388755 /ug=Hs.159153              |                 |            |               |
|             |                  | /len=1002                               |                 |            |               |
| 1094        | 0.030249         | 602969052F1 NIH MGC 12 cDNA             | BI260728        | Hs.201769  | The transfer  |
| lat.        |                  | clone IMAGE:5108412 5', mRNA            |                 |            |               |
|             |                  | sequence /clone=IMAGE:5108412           |                 |            |               |
|             |                  | /clone_end=5' /gb=Bl260728              |                 |            |               |
| *           |                  | /gi=14819291 /ug=Hs.201769 /len=667     |                 |            |               |
|             |                  | 1/gi= 146 1929 1 /ug=Hs.201709 /len=007 |                 |            |               |
| 14000       | 0.000000         | him athetical analaia MCCO7466          | NINA 450272     | Up 445504  | ND COCEO      |
| 11098       | 0.002602         | hypothetical protein MGC27466           | NM_152373       | Hs.145521  | NP_689586     |
|             |                  | (MGC27466), mRNA /cds=(125,733)         | 0.0             |            | •             |
| - '         |                  | /gb=NM_152373 /gi=22748802              |                 | - '        |               |
| 4           |                  | /ug=Hs.145521 /len=1465                 |                 |            |               |
| 11099       | 0.013394         | UI-H-DT1-avz-g-14-0-UI.s1               | BQ015869        | Hs.353471  |               |
| 1           |                  | NCI_CGAP_DT1 cDNA clone                 |                 |            |               |
|             | , and the second | IMAGE:5886373 3'; mRNA sequence         |                 | 1 1        |               |
|             | 1                | /clone=IMAGE:5886373 /clone_end=3'      | 4               | 2          |               |
| - •         | 9                | /gb=BQ015869 /gi=19751146               |                 |            |               |
|             |                  | /ug=Hs.353471 /len=1192                 | * * *           |            | 1             |
|             |                  |   |                 |            |               |
| 1105        | 0.03788          | hypothetical protein FLJ21839           | NM 021831       | Hs.433334  | NP_068603     |
| 1100        | 0.00700          | (FLJ21839), mRNA /cds=(445,2619)        | 11111_02 1001   | 110.10000  | 00000         |
| •           |                  |   |                 |            |               |
|             |                  | //gb=NM_021831 /gi=19923577             |                 |            | 3 -           |
| 4400        | 0.000400         | /ug=Hs.433334 /len=3252                 | A A O O A O O O | 110 274047 | <del></del>   |
| 11109       | 0.022106         | al60e07.s1 Soares_NFL_T_GBC_S1          | AA884390        | Hs.374217  |               |
|             |                  | cDNA clone IMAGE:1461732 3', mRNA       | <b>\</b>        | 1          |               |
|             |                  | sequence /clone=IMAGE:1461732           | *               | 1          |               |
|             |                  | /clone_end=3' /gb=AA884390              |                 |            |               |
|             |                  | /gi=2993920 /ug=Hs.374217 /len=352      |                 |            |               |
|             |                  |   |                 | 1          |               |
| 11125       | 0.010277         | EST(cDNA clone IMAGE:2815110 3')        | AW268719        |            |               |
|             |                  | clone IMAGE:4182947, mRNA               | BC016962        | Hs.16193   | 1             |
| 11131       |                  |   |                 |            |               |
| 11131       | 0.023311         | /gb=BC016962 /gi=16877432               |                 |            |               |

|          |           | nding To Differentially Expr ssed Gen  |               |   |                     |
|----------|-----------|--|---------------|---|---------------------|
| Spot     | p-value   | To the state of th | Gene          | Unigene                                 | Protein             |
|          | 1         |  | Accession No. | Accession                               | Accession           |
|          |           |  |               | No.                                     | No.                 |
| 1136     | 0.023945  | clone IMAGE:3138608, mRNA  | BC007266      | Hs.334566                               |                     |
|          |           | /cds=UNKNOWN /gb=BC007266  | ,             |   |                     |
|          |           | /gi=13938277 /ug=Hs.334566   | <b>+</b> ((4) | - · · · · · · · · · · · · · · · · · · · |                     |
|          |           | /len=1635  |               |   |                     |
| 1166     | 5 48E-04  | ym53e05.s1 Soares infant brain 1NIB  | H24464        | Hs.417814                               |                     |
|          |           | cDNA clone IMAGE:51803 3', mRNA  |               |   | 1.                  |
|          |           | sequence /clone=IMAGE:51803  | *             | *                                       |                     |
|          |           | /clone_end=3' /gb=H24464 /gi=893159  |               | *                                       |                     |
|          |           | /ug=Hs.417814 /len=487   |               |   |                     |
| 1178     | 8 37F-04  | No significant match (ORF none)  | SEQ.ID.No.23  |   |                     |
| 1180     |           |  | OLG.ID.ITO.ZO | <b></b>                                 | <del></del>         |
| , 100    | 0.010094  | ORF+2(98~316),+3(9~116,201~316)  | SEQ.ID.No.55  |   |                     |
| 1198     | 7.06E.04  | cDNA FLJ23679 fis, clone HEP09084.   | AK074259      | Hs.351597                               | 4. 4. 4.            |
| 1190     | 7.00E-04  | /gb=AK074259 /gi=18676812  | UI/01#509     | 118.331381                              | 90                  |
|          |           |  |               |   | 2                   |
| 4004     | 0.017000  | /ug=Hs.351597 /len=2006  | DC045704      | He 20404                                |                     |
| 1201     | 0.01/288  | clone IMAGE:4798349, mRNA  | BC045794      | Hs.29464                                | 34.0° - 1.0° - 1.0° |
|          | -         | /gb=BC045794 /gi=28277189  | × 0, 0,       |   |                     |
|          |           | /ug=Hs.29464 /len=2717   |               |   | 100                 |
| 1205     | 0.03788   | ESTs, cDNA, 5' end   | BG402127      | Hs.347570                               |                     |
|          |           | /clone=IMAGE:4593784 /clone_end=5'   | ٠,            | - 1                                     |                     |
|          |           | /gb=BG402127 /gi=13295575  |               |   | <b>[</b>            |
| 4. t     |           | /ug=Hs.347570 /len=863   |               |   |                     |
| <u>.</u> |           |  |               |   |                     |
| 1215     |           | Novel, ORF+3(39~203)   | SEQ.ID.No.53  | 1                                       |                     |
| 1222     | 0.007806  | No significant match, ORF+1(1~294)   | SEQ.ID.No.88  |   |                     |
| 1257     | 0.009388  | mRNA for FLJ00086 protein, partial   | AK024487      | Hs.343828                               | NP_835461           |
|          |           | cds:/cds=(1951,3150)/gb=AK024487   |               |   |                     |
| •        |           | /gi=10440487 /ug=Hs.343828   |               |   |                     |
|          |           | /len=4456  |               |   |                     |
| 1258     | 8.37E-04  | ADP-ribosylation factor GTPase   | NM 018209     | Hs.25584                                | NP 783202           |
|          |           | activating protein 1 (ARFGAP1), mRNA   | _             |   | 7                   |
|          |           | /cds=(113,1333) /gb=NM_018209  |               | }                                       | <b>.</b>            |
|          | } · ·     | /gi=8922651 /ug=Hs.25584 /len=3248   |               |   |                     |
|          |           | - 3. 35-135 1. 3 <b>3</b> 15(2-3-3) 7 7 5 1. 52-13 1.  | *             |   |                     |
| 1259     | 3 04F-04  | actin binding LIM protein 1 (ABLIM1),  | NM_002313     | Hs.158203                               | NP_006711           |
| , 1239   | 0.0-76-04 | transcript variant ABLIM-I, mRNA   | 002010        | . 10. 100200                            | =                   |
| *        | 2         | /cds=(100,2436) /gb=NM_002313  |               |   | \                   |
|          | [-        | /gi=21284382 /ug=Hs.158203   |               | 1                                       | 1                   |
|          | <u> </u>  |  |               |   | 1                   |
| 1204     | 0.012204  | /len=7581  | NIM 144000    | Hs.37616                                | ND GEOVE            |
| 1261     | 0.013394  | hypothetical protein MGC14480  | NM_144998     | IUS 31010                               | NP_659435           |
|          |           | (MGC14480), mRNA /cds=(18,209)   |               |   |                     |
|          | *         | /gb=NM_144998 /gi=21450710   |               | *                                       |                     |
|          |           | /ug=Hs.37616 /len=844  |               |   |                     |
| 1263     | 0.004367  | KIAA1804 protein, partial cds  | AB058707      | Hs.50883                                | NP_115811           |
|          |           | /cds=UNKNOWN /gb=AB058707  | -             |   | <b>.</b>            |
|          | J         | /gi=14017824 /ug=Hs.50883  | 1             | 1                                       | 1                   |

| Genes   | Correspon | nding To Differentially Expressed Gen   | es in Figure 20 -                     | RA        |            |
|---------|-----------|---|---------------------------------------|-----------|------------|
|         |           | Description                             | Gene                                  | Unigene   | Protein    |
| )       |           |   | Accession No.                         | Accession | Accession  |
|         |           |   |                                       | No.       | No.        |
| 11264   | 0.008566  | Similar to RIKEN cDNA 1810014L12        | BC045655                              | Hs.199695 |            |
| -4, - : |           | gene, clone MGC:43599                   |                                       | 10        | •          |
|         |           | IMAGE:5269880, mRNA, complete cds       |                                       |           |            |
|         |           | /cds=(476,685) /gb=BC045655             |                                       |           |            |
|         |           | /gi=28277116 /ug=Hs.199695              |                                       |           | ē          |
|         |           | /len=2133                               |                                       |           |            |
| 11266   | 0.013394  | B-cell translocation gene 1, anti-      | NM 001731                             | Hs.77054  | NP 001722  |
|         |           | proliferative (BTG1), mRNA              | -                                     |           | _          |
| *       |           | /cds=(309,824) /gb=NM_001731            |                                       |           |            |
| ·       |           | /gi=4502472 /ug=Hs.77054 /len=1783      | · · · · · · · · · · · · · · · · · · · |           |            |
| 11277   | 0.048465  | ligase I, DNA, ATP-dependent (LIG1),    | NM 000234                             | Hs.1770   | NP 000225  |
|         |           | mRNA /cds=(121,2880)                    |                                       |           | _          |
|         |           | /gb=NM_000234 /gi=4557718               |                                       |           |            |
|         | *         | /ug=Hs.1770 /len=3083                   |                                       |           | 711        |
| 11287   | 0.03788   | fucosyltransferase 4 (alpha (1,3)       | NM 002033                             | Hs.2173   | NP_002024  |
|         |           | fucosyltransferase, myeloid-specific)   | <del></del>                           |           |            |
| ]       |           | (FUT4), mRNA /cds=(174,1766)            | - "                                   |           |            |
| 1       |           | /gb=NM 002033 /gi=4503810               | 4.00                                  |           |            |
|         |           | /ug=Hs.2173 /len=2861                   |                                       |           |            |
| 11293   | 0.022106  | hypothetical protein (FLJ20485), mRNA   | NM 019042                             | Hs.98806  | NP_061915  |
|         |           | /cds=(112,729) /gb=NM_019042            | -                                     |           | _          |
|         | }.        | /gi=9506680 /ug=Hs.98806 /len=2021      | ,                                     | -         |            |
|         |           |   |                                       | ·         |            |
| 11294   | 0.012276  | cDNA FLJ11335 fis, clone                | AK002197                              | Hs.284270 |            |
|         |           | PLACE1010630. /gb=AK002197              |                                       |           |            |
|         |           | /gi=7023924 /ug=Hs.284270 /len=1984     |                                       | *         |            |
| -       |           |   |                                       | *         | * .        |
| 11296   | 0.035177  | mRNA for KIAA0740 protein, partial      | AB018283                              | Hs.15099  | NP_055651  |
|         |           | cds/cds=(260,2350) /gb=AB018283         |                                       | 1         | -          |
|         |           | /gi=6705974 /ug=Hs.15099 /len=4390      |                                       | Ŷ         |            |
| 11297   | 0.00587   | farnesyl diphosphate synthase (farnesyl | NM_002004                             | Hs.335918 | NP_001995  |
|         |           | pyrophosphate synthetase;               |                                       | *         |            |
|         | V         | dimethylallyltranstransferase,          |                                       |           |            |
| b       |           | geranyltranstransferase) (FDPS),        |                                       |           | ,          |
|         |           | mRNA /cds=(115,1374)                    | • ;-                                  |           |            |
|         |           | /gb=NM_002004 /gi=4503684               | :                                     | ļ         |            |
|         |           | /ug=Hs.335918 /len=1430                 |                                       |           | ·          |
| 11299   | 0.004367  | ATX1 antioxidant protein 1 (yeast)      | NM_004045                             | Hs.279910 | NP_004036  |
|         |           | (ATOX1), mRNA /cds=(114,320)            |                                       |           |            |
|         | }         | /gb=NM_004045 /gi=4757803               |                                       |           | <b>.</b> : |
| 10      |           | /ug=Hs.279910 /len=502                  |                                       |           |            |
| 11303   | 0.018784  | S100 calcium binding protein A1         | NM_006271                             | Hs.433503 | NP_006262  |
|         |           | (S100A1), mRNA /cds=(114,398)           |                                       |           |            |
| [       |           | /gb=NM_006271 /gi=5454031               |                                       | 1         | 1          |
|         |           | /ug=Hs.433503 /len=607                  |                                       | 1.50      | 1          |
| 11304   | 0.003213  | hypothetical gene supported by          | XM_001298                             |           |            |
|         |           | D17652; X59357; NM_000983               | _                                     | 1         | ,          |
|         |           | (LOC65281), mRNA                        | 1                                     | 1 .       | ì          |

| G nes | Correspoi | nding To Differ Intially Expressed Gen                     | es in Figure 20 -      | RA          |                 |
|-------|-----------|--|------------------------|-------------|-----------------|
|       |           | Description  | Gene                   | Unigene     | Protein         |
|       | **        |  | Accession No.          | Accession   | Accession       |
|       |           |  | . (                    | No.         | No.             |
| 11322 | 0.032636  | Hypothetical protein (L1H 3' region) -                     | B34087                 |             |                 |
|       |           | human (AA=69%)   |                        |             | **              |
| 11332 | 0.001062  | polyadenylate binding protein-                             | NM 006451              | Hs.109643   | NP 006442       |
|       |           | interacting protein 1 (PAIP1), mRNA                        | _                      |             | _               |
|       |           | /cds=(188,1627) /gb=NM_006451                              | * *                    | ,           |                 |
|       |           | /gi=17511254 /ug=Hs.109643                                 |                        |             |                 |
| 3 2   |           | /len=2764  | 1 + 4 () +             |             | - /             |
| 11333 | 0.004825  | hypothetical protein FLJ13615                              | NM 025114              | Hs.288715   | NP 079390       |
| 11333 | 0.00-025  | (FLJ13615), mRNA /cds=(345,2069)                           | 14101_020114           | 113.2007 10 | 111 _07 3 3 3 0 |
|       | *         | /gb=NM_025114 /gi=13376688                                 | <i>i</i> .             | 1 314 2     |                 |
|       | 7, 7 f. t |  |                        |             |                 |
| 11336 | 0.011220  | /ug=Hs.288715 /len=2719<br>proteasome (prosome, macropain) | NM 006814              | Hs.405813   | NP 848694       |
| 11330 | 0.011238  | inhibitor subunit 1 (PI31) (PSMF1),                        | ואואו_טטטס ויא         | 115.403013  | UNC_040094      |
| ar    |           |  |                        | 1.          |                 |
| 6 3   |           | mRNA /cds=(127,942) /gb=NM_006814                          |                        |             |                 |
|       |           | /gi=5803122 /ug=Hs.405813 /len=3188                        |                        |             |                 |
| 14000 | 10.000    | 00.7   | D0044000               | ,           |                 |
| 11338 | 0.043799  | Similar to SRY-box containing gene 5,                      | BC014929               | Hs.383009   |                 |
|       |           | clone IMAGE:3919439, mRNA                                  | *                      |             |                 |
|       | -         | /gb=BC014929 /gi=15928923                                  |                        | * * * .     |                 |
|       |           | /ug=Hs.383009:/len=652                                     |                        |             |                 |
| 11342 | 0.007171  | FLJ11416 fis, clone HEMBA1000943                           | AK021478               | Hs.333150   | 7. ·            |
|       |           | /cds=UNKNOWN /gb=AK021478                                  |                        |             |                 |
|       | 0)        | /gi=10432671 /ug=Hs.333150                                 | area real and a second |             |                 |
| - ;   |           | /len=1593  |                        |             |                 |
| 11343 | 0.035177  | chromosome 1 open reading frame 33                         | NM_016183              | Hs.274201   | NP_057267       |
|       | *         | (C1orf33), mRNA /cds=(32,751)                              | 71                     |             |                 |
|       |           | /gb=NM_016183 /gi=18490986                                 |                        |             | _ *             |
|       |           | /ug=Hs.274201 /len=1185                                    |                        |             |                 |
| 11357 | 0.007107  | splicing factor 3a, subunit 1, 120kDa                      | NM_005877              | Hs.406277   | NP_005868       |
|       | , '       | (SF3A1), mRNA /cds=(132,2513)                              |                        | -           |                 |
|       |           | /gb=NM_005877 /gi=20127483                                 |                        | P           |                 |
|       |           | /ug=Hs.406277 /len=2944                                    |                        |             | ·               |
| 11365 | 0.007107  | Rho-specific guanine-nucleotide                            | NM_014786              | Hs.45180    | NP_055601       |
|       | ` .       | exchange factor 164 kDa                                    |                        |             |                 |
|       |           | (P164RHOGEF), mRNA   |                        | * - /       |                 |
|       |           | /cds=(16,6207) /gb=NM_014786                               | }                      |             |                 |
|       |           | /gi=21361457 /ug=Hs.45180 /len=7540                        | ]                      |             | ]               |
|       |           |  |                        |             |                 |
| 11368 | 0.023945  | cofactor required for Sp1 transcriptional                  | NM 004268              | Hs.22630    | NP 004259       |
|       |           | activation, subunit 6, 77kDa (CRSP6),                      |                        |             |                 |
|       |           | mRNA /cds=(196,2151)                                       | * * *                  |             |                 |
| l     |           | /gb=NM_004268 /gi=10835074                                 |                        |             |                 |
| ļ     |           | /ug=Hs.22630 /len=2546                                     |                        |             |                 |
|       |           | Mg =113.22000 /ICH=2040                                    |                        | 1           |                 |
| L     | <u> </u>  | <del></del>  | L                      | I           | <u> </u>        |

| G nes | Correspor | nding To Differ ntially Expressed Gen   | es in Figure 20 -     |                            |                        |
|-------|-----------|---|-----------------------|----------------------------|------------------------|
|       |           | Description   | Gene<br>Accession No. | Unigen<br>Acc ssion<br>No. | Protein Accession No.  |
| 11373 | 0.007807  | yl96f11.s1 Soares infant brain 1NIB<br>cDNA clone IMAGE:45943 3' similar to<br>contains Alu repetitive element;, mRNA               | H09059                | Hs.438854                  |                        |
|       |           | sequence /clone=IMAGE:45943<br>/clone_end=3' /gb=H09059 /gi=873881<br>/ug=Hs.438854 /len=494  |                       |                            |                        |
| 11387 | 0.040751  | df22c07.w1 Morton Fetal Cochlea<br>cDNA clone IMAGE:2484085 3'; mRNA<br>sequence /clone=IMAGE:2484085<br>/clone_end=3' /gb=BI492292 | BI492292              | Hs.379172                  |                        |
| 11401 | 5 11F-04  | /gi=15331636 /ug=Hs.379172 /len=359<br>hypothetical protein PRO1843   | NM 018507             | Hs.283330                  | NP 060977              |
|       | ¥         | (PRO1843), mRNA /cds=(965,1255)<br>/gb=NM_018507 /gi=8924082<br>/ug=Hs.283330 /len=1268   |                       | t.                         |                        |
| 11402 | 0.040751  | cytochrome c, somatic (CYCS), mRNA<br>/cds=(61,378) /gb=NM_018947<br>/gi=21361707 /ug=Hs 169248<br>/len=3990                        | NM_018947             | Hs.169248                  | NP_061820              |
| 11404 | 6.56E-04  | hypothetical protein MGC3067<br>(MGC3067), mRNA /cds=(140,895)<br>/gb=NM_024295 /gi=13236515<br>/ug=Hs.323114 /len=1203             | NM_024295             | Hs.323114                  | NP_077271              |
| 11407 | 3.47E-04  | Similar to proline synthetase co-<br>transcribed (bacterial homolog), clone<br>MGC:2667 IMAGE:3546307, mRNA,                        | BC012334              | Hs 301959                  | NP_009129              |
| 11400 | 0.000207  | complete cds /cds=(67,894)<br>/gb=BC012334 /gi=15147390<br>/ug=Hs.301959 /len=2580  | NIA 444504            | 14- 7000                   | ND 052405 <sup>3</sup> |
|       |           | hypothetical protein FLJ30525<br>(FLJ30525), mRNA /cds=(422,1603)<br>/gb=NM_144584 /gi=21389358<br>/ug=Hs.7962 /len=1867            | NM_144584             | Hs.7962                    | NP_653185              |
| 11410 | 0.004367  | ring finger protein 38 (RNF38), mRNA<br>/cds=(563,1861) /gb=NM_022781<br>/gi=21918874 /ug=Hs.77823 /len=4694                        | NM_022781             | Hs.77823                   | NP_073618              |
| 11419 | 0.030249  | syntaxin binding protein 3 (STXBP3),<br>mRNA /cds=(52,1830) /gb=NM_007269<br>/gi=6005885 /ug=Hs.8813 /len=2508                      | NM_007269             | Hs.8813                    | NP_009200              |
| 11426 | 0.043799  | hypothetical protein BC000282<br>(LOC89894), mRNA /cds=(657,1394)<br>/gb=NM_138341 /gi=24308397<br>/ug=Hs.8116 /len=1716            | NM_138341             | Hs.8116                    | NP_612350              |

|           |   | nding To Differentially Expressed Gen  |                   |             | <u> </u>   |  |
|-----------|---|--|-------------------|-------------|------------|--|
| Spot      | p-value                                 | Description                            | Gene              | Unigene     | Protein    |  |
|           |   |  | Accession No.     | Accession   | Accession  |  |
|           |   |  |                   | No.         | No         |  |
| 11429     | 0.02801                                 | cDNA FLJ32781 fis, clone               | AK057343          | Hs.78743    |            |  |
|           |   | TESTI2002149, highly similar to ZINC   |                   |             | - ()       |  |
|           |   | FINGER PROTEIN 131. /gb=AK057343       | the second second | (           |            |  |
| -         |   | /gi=16553000 /ug=Hs.78743 /len=2401    | *                 | )           | 0          |  |
| *         | 2                                       | /gr 100000074g 110.7014071611 2 101    |                   |             |            |  |
| 11433     | 0.032636                                | annexin A7 (ANXA7), transcript variant | NM 004034         | Hs.386741   | NP 004025  |  |
| 11435     | 0.002030                                | 2, mRNA /cds=(61,1527)                 | 14101_004034      | 1115.500741 | 107_004025 |  |
| . • • • • | +                                       | /gb=NM_004034 /gi=4809278              |                   |             |            |  |
| •         |   | /ug=Hs.386741 /len=2176                |                   | ]           |            |  |
| 11437     | 0.004367                                |  | NM 004388         | 110 125570  | ND 004270  |  |
| 11437     | 0.004367                                | chitobiase, di-N-acetyl- (CTBS), mRNA  | 14141_004300      | Hs.135578   | NP_004379  |  |
|           |   | /cds=(1,1158) /gb=NM_004388            |                   |             | , -        |  |
|           |   | /gi=4758091 /ug=Hs 135578 /len=1618    |                   | Í           |            |  |
| 44446     | 0.004070                                | 541 D. 200 DE 2                        | NINA 047400       |             | ND 050400  |  |
| 11443     | 0.001878                                | nucleoporin 54kDa (NUP54), mRNA        | NM_017426         | Hs.9082     | NP_059122  |  |
|           |   | /cds=(129,1652) /gb=NM_017426          |                   |             |            |  |
| ·         |   | /gi=26051236 /ug=Hs.9082 /len=2358 .   |                   |             |            |  |
| 11444     | 0.002096                                | coproporphyrinogen oxidase             | NM_000097         | Hs.89866    | NP_000088  |  |
|           |   | (coproporphyria, harderoporphyria)     |                   |             |            |  |
|           | 1                                       | (CPO), mRNA /cds=(68,1432)             | A                 | * 1         | * ==       |  |
|           |   | /gb=NM_000097 /gi=20127405             | . 0               |             |            |  |
|           |   | /ug=Hs:89866 /len=2691                 |                   |             |            |  |
| 11445     | 0.002096                                | hbc647 mRNA sequence. /gb=U68494       | U68494            | Hs.24385    |            |  |
|           |   | /gi=1546096 /ug=Hs.24385 /len=1843     |                   |             |            |  |
|           |   |  |                   |             |            |  |
| 11447     | 0.040751                                | hypothetical gene supported by         | XM_072343         |             |            |  |
|           |   | AK000174 (LOC133761), mRNA             |                   | 83          |            |  |
| 11448     | 0.043799                                | zinc finger protein 23 (KOX 16)        | NM 145911         | Hs.376810   | NP 666016  |  |
|           |   | (ZNF23), mRNA /cds=(815,2746)          | _                 |             | ,          |  |
| :-        |   | /gb=NM_145911 /gi=23308736             |                   |             |            |  |
|           | ]                                       | /ug=Hs.376810 /len=3271                |                   |             |            |  |
| 11453     | 0.035177                                | DNA-damage-inducible transcript 3      | NM_004083         | Hs.400353   | NP 004074  |  |
|           | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | (DDIT3), mRNA /cds=(191,700)           | -                 |             | 1 -        |  |
| 90 A      |   | /gb=NM_004083 /gi=21361117             | W. 3-             | j           | 1          |  |
|           |   | /ug=Hs.400353 /len=965                 |                   | 1           | 1          |  |
| 11467     | 0.025911                                | SMT3 suppressor of mif two 3 1 (yeast) | NM 006936         | Hs.85119    | NP_008867  |  |
|           | 1 3.320011                              | (SMT3H1), mRNA /cds=(95,406)           | 1. 11 9 5 5 5 5 5 |             | }000001    |  |
| · .       |   | /gb=NM_006936 /gi=5902095              | ·                 |             |            |  |
|           | - 1                                     | /ug=Hs.85119 /len=1733                 |                   |             | *          |  |
| 11471     | 0.011229                                | prostaglandin E receptor 2 (subtype    | NM 000956         | Hs.2090     | NP_000947  |  |
| 114/1     | 0.011230                                | EP2), 53kDa (PTGER2), mRNA             | 1.4101_000900     | 13.2030     | _000947    |  |
| ` -       |   |  | } ·; -            |             |            |  |
|           | }                                       | /cds=(157,1233) /gb=NM_000956          |                   | }           |            |  |
| 44475     | 0.000000                                | /gi=4506254 /ug=Hs.2090 /len=2372      | NNA 400400        | 11- 40040   | ND CASA45  |  |
| 11473     | 0.009388                                | hypothetical protein BC013035          | NM_138436         | Hs.10018    | NP_612445  |  |
|           |   | (LOC114926), mRNA /cds=(128,430)       |                   |             |            |  |
|           |   | /gb=NM_138436 /gi=19923964             |                   |             | ľ.         |  |
|           | 1                                       | /ug=Hs.10018 /len=836                  |                   |             | <u> </u>   |  |

| 11477 (<br>11479 (<br>11480 | 0.017288<br>0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288 | Solute carrier family 38, member 2 (SLC38A2), mRNA /cds=(352,1872) /gb=NM_018976 /gi=21361601 /ug=Hs.298275 /len=4795 mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184 B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117 /gi=24496788 /ug=Hs.6762 /len=4248 | Gene<br>Accession No.<br>NM_018976<br>AB014526<br>AAL26788<br>NM_152282<br>AF006516<br>NM_020117 | Unigene Accession No. Hs.298275 Hs.178121 Hs.37443 | Protein Accession No. NP_061849  NP_067679  NP_689495  NP_689495  NP_005461  NP_064502 |
|-----------------------------|--|--|--|--|--|
| 11477 (<br>11479 (<br>11480 | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | (SLC38A2), mRNA /cds=(352,1872) /gb=NM_018976 /gi=21361601 /ug=Hs.298275 /len=4795 mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184  B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117  | NM_018976  AB014526  AAL26788  NM_152282  AF006516   | No.<br>Hs.298275<br>Hs.178121<br>Hs.37443          | No. NP_061849 NP_067679 NP_689495 NP_005461  |
| 11477 (<br>11479 (<br>11480 | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | (SLC38A2), mRNA /cds=(352,1872) /gb=NM_018976 /gi=21361601 /ug=Hs.298275 /len=4795 mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184  B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117  | AB014526  AAL26788  NM_152282  AF006516  | Hs.178121<br>Hs.37443                              | NP_061849  NP_067679  NP_689495  NP_005461   |
| 11477 (<br>11479 (<br>11480 | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | (SLC38A2), mRNA /cds=(352,1872) /gb=NM_018976 /gi=21361601 /ug=Hs.298275 /len=4795 mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184  B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117  | AB014526  AAL26788  NM_152282  AF006516  | Hs.178121<br>Hs.37443                              | NP_061849  NP_067679  NP_689495  NP_005461   |
| 11477 (<br>11479 (<br>11480 | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | (SLC38A2), mRNA /cds=(352,1872) /gb=NM_018976 /gi=21361601 /ug=Hs.298275 /len=4795 mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184  B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117  | AB014526  AAL26788  NM_152282  AF006516  | Hs.178121<br>Hs.37443                              | NP_067679  NP_689495  NP_005461  |
| 11479 (<br>11480<br>11481 ( | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | /gb=NM_018976 /gi=21361601<br>/ug=Hs.298275 /len=4795<br>mRNA for KIAA0626 protein, complete<br>cds /cds=(178,1407) /gb=AB014526<br>/gi=3327065 /ug=Hs.178121 /len=6184<br>B lymphocyte activation-related protein<br>BC-2048<br>hypothetical protein FLJ23751<br>(FLJ23751), mRNA /cds=(121,1563)<br>/gb=NM_152282 /gi=22748648<br>/ug=Hs.37443 /len=2994<br>eps8 binding protein e3B1 mRNA,<br>complete cds<br>leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117   | AAL26788<br>NM_152282<br>AF006516  | Hs.37443   | NP_689495<br>NP_005461   |
| 11479 (<br>11480<br>11481 ( | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | /ug=Hs.298275 /len=4795 mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184 B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117  | AAL26788<br>NM_152282<br>AF006516  | Hs.37443   | NP_689495<br>NP_005461   |
| 11479 (<br>11480<br>11481 ( | 0.032636<br>0.007807<br>7.41E-04<br>0.030249<br>0.017288             | mRNA for KIAA0626 protein, complete cds /cds=(178,1407) /gb=AB014526 /gi=3327065 /ug=Hs.178121 /len=6184 B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117  | AAL26788<br>NM_152282<br>AF006516  | Hs.37443   | NP_689495<br>NP_005461   |
| 11479 (<br>11480<br>11481 ( | 0.007807<br>7.41E-04<br>0.030249<br>0.017288                         | cds /cds=(178,1407) /gb=AB014526<br>/gi=3327065 /ug=Hs.178121 /len=6184<br>B lymphocyte activation-related protein<br>BC-2048<br>hypothetical protein FLJ23751<br>(FLJ23751), mRNA /cds=(121,1563)<br>/gb=NM_152282 /gi=22748648<br>/ug=Hs.37443 /len=2994<br>eps8 binding protein e3B1 mRNA,<br>complete cds<br>leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117   | AAL26788<br>NM_152282<br>AF006516  | Hs.37443   | NP_689495<br>NP_005461   |
| 11480                       | 0.007807<br>7.41E-04<br>0.030249<br>0.017288                         | /gi=3327065 /ug=Hs.178121 /len=6184 B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117   | NM_152282<br>AF006516  |  | NP_005461  |
| 11480                       | 0.007807<br>7.41E-04<br>0.030249<br>0.017288                         | B lymphocyte activation-related protein BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117   | NM_152282<br>AF006516  |  | NP_005461  |
| 11480                       | 7.41E-04<br>0.030249<br>0.017288                                     | BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117   | NM_152282<br>AF006516  |  | NP_005461  |
| 11480                       | 7.41E-04<br>0.030249<br>0.017288                                     | BC-2048 hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117   | NM_152282<br>AF006516  |  | NP_005461  |
| 11481                       | 7.41E-04<br>0.030249<br>0.017288                                     | hypothetical protein FLJ23751 (FLJ23751), mRNA /cds=(121,1563) /gb=NM_152282 /gi=22748648 /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117   | AF006516   |  | NP_005461  |
| 11481                       | 0.030249<br>0.017288   | (FLJ23751), mRNA /cds=(121,1563)<br>/gb=NM_152282 /gi=22748648<br>/ug=Hs.37443 /len=2994<br>eps8 binding protein e3B1 mRNA,<br>complete cds<br>leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117   | AF006516   |  | NP_005461  |
|                             | 0.030249<br>0.017288   | /gb=NM_152282 /gi=22748648<br>/ug=Hs.37443 /len=2994<br>eps8 binding protein e3B1 mRNA,<br>complete cds<br>leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117   |  | Hs.6762.   | -  |
| 1, 1, 1                     | 0.030249<br>0.017288   | /ug=Hs.37443 /len=2994 eps8 binding protein e3B1 mRNA, complete cds leucyl-tRNA synthetase (LARS), mRNA /cds=(73,3603) /gb=NM_020117   |  | Hs.6762.   | -  |
|                             | 0.030249<br>0.017288   | eps8 binding protein e3B1 mRNA,<br>complete cds<br>leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117   |  | Hs.6762  | -  |
| 1, 1                        | 0.017288   | complete cds<br>leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117  |  | Hs.6762  | _  |
| 11496                       | 0.017288   | leucyl-tRNA synthetase (LARS), mRNA<br>/cds=(73,3603) /gb=NM_020117  | NM_020117  | Hs.6762  | NP_064502  |
| 11496                       |  | /cds=(73,3603) /gb=NM_020117   | NM_020117  | Hs.6762  | NP_064502  |
|                             |  | /cds=(73,3603) /gb=NM_020117   |  |  |  |
|                             |  | /gi=24496788 /ug=Hs.6762 /len=4248   |  |  |  |
|                             |  |  |  |  | 2 00 .8.   |
|                             |  |  | 22.0   |  |  |
| 11497                       | 0.002893   | FK506 binding protein 14, 22 kDa   | NM 017946  | Hs.264636  | NP 060416  |
|                             |  | (FKBP14), mRNA /cds=(146,781)  |  |  |  |
|                             | ~  | /gb=NM_017946 /gi=8923658  |  |  |  |
| 1,                          |  | /ug=Hs.264636 /len=2248  |  |  |  |
| 11502                       |  | mRNA for KIAA1229 protein, partial cds   | AB033055   | Hs.71109   |  |
| 11002                       |  | /cds=UNKNOWN /gb=AB033055  | 7.200000   | 110.77100  |  |
|                             |  | /gi=6330699 /ug=Hs.71109/len=5654  |  |  | "  |
| 11503                       |  | hypothetical protein DKFZp564K0822   | NM 030796  | Hs.4750  | NP_110423  |
| 11303                       | 0.000000   | (DKFZP564K0822), mRNA  | INIVI_030730   | 113.4750   | 111 _110420  |
|                             | 5 · '  |  |  |  | <b>]</b> .   |
|                             | ٠,   | /cds=(10,528) /gb=NM_030796  |  |  |  |
|                             |  | /gi=13540577 /ug=Hs.4750 /len=2789   | 1111 000400  | 111 70045  | ND 000040  |
| 11509                       | U:U13394   | coagulation factor VIII, procoagulant  | NM_000132  | Hs.79345   | NP_063916  |
|                             |  | component (hemophilia A) (F8),   | -  |  |  |
|                             |  | transcript variant 1, mRNA   |  | 1  |  |
|                             |  | /cds=(172,7227) /gb=NM_000132  | ·  | 4  |  |
| · · · · · · ·               |  | /gi=10518504 /ug=Hs.79345 /len=9030  | ·  |  |  |
|                             |  |  |  |  |  |
| 11514                       | 0.011238   | chromosome 21 open reading frame 33  | NM_004649  | Hs.182423  | NP_004640  |
| -                           | "  | (C21orf33), mRNA /cds=(85,891)   | d  |  |  |
|                             | _  | /gb=NM_004649 /gi=5031690  |  |  |  |
| - 1                         | 7  | /ug=Hs.182423 /len=1652  | - 3  |  |  |
| 11516                       | 2.03E-04   | 602943821F1 NIH_MGC_19 cDNA  | BI194863   | Hs.444288  |  |
|                             |  | clone IMAGE:5091917 5', mRNA   |  |  |  |
| <b>(i)</b>                  |  | sequence /clone=IMAGE:5091917  |  | *  | }  |
|                             |  | /clone_end=5' /gb=BI194863   | 1  | -  | • ()   |
|                             | * 1  | /gi=14649883 /ug=Hs.444288 /len=863  |  | 1  |  |
|                             |  | 1-10-0000 /ug=113200 /left=003   | 1  | 1'   | 1  |

| Genes   | Correspon | nding To Differentially Expressed Gen   | s in Figure 20 -                        |  |             |
|---------|-----------|---|---|--|-------------|
| Spot    | p-value   | Description                             | Gene                                    | Unigene  | Protein     |
|         |           |   | Accession No.                           | Accession  | Accession   |
|         | Ť. ·      |   |   | No.  | No          |
| 11520   | 0.043799  | MYLE protein (MYLE), mRNA               | NM_014015                               | Hs.11902   | NP 054734   |
| 1       |           | /cds=(12,299) /gb=NM_014015             | -                                       |  | 1 -         |
|         |           | /gi=13384596 /ug=Hs.11902 /len=1120     |   |  | ·           |
|         |           | 3                                       | 4. **<br>1. **                          |  |             |
| 11536   | 5 11F-04  | EST(yh89e10.r1 cDNA clone 136938        | R38461                                  |  | NP 001002   |
| 11000   | 02        | 5') 8e-06 match                         |   |  | 00.1002     |
| 11539   | 0.047031  | mRNA for KIAA1327 protein, partial      | AB037748                                | Hs.106204  | -           |
| 11000   | 0,047001  | cds. /cds=(1,5417) /gb=AB037748         | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 1113.100204                                      |             |
| ž.      |           | /gi=20521883 /ug=Hs.106204              | ×                                       |  | [           |
|         |           | /len=6687                               |   | 0.8  |             |
| 11570   | 0.007807  | clone IMAGE:5295896, mRNA               | BC043240                                | Hs.104413  |             |
| 211370  | 0.007807  |   | DC043240                                | Ins. 1044 13                                     |             |
| -       |           | /gb=BC043240 /gi=27695834               |   | 10   |             |
| 33.506  | 0.00700   | /ug=Hs.104413 /len=2136                 | 41070404                                | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -          |             |
| 11588   | 0.03788   | EST(oz13e06.x1                          | AI078464                                |  |             |
|         |           | Soares_fetal_liver_spleen_1NFLS_S1      | - 2                                     |  |             |
|         |           | clone IMAGE: 1675234 3')                |   |  |             |
| 11603   | 0.032636  | EST(NIB208 Normalized infant brain,     | T16965                                  |  | NP_277035   |
|         |           | Bento Soares cDNA 3'end similar to      |   |  | ·           |
|         |           | hexokinase I (MK-16)) (low match:nt 2e- |   |  |             |
|         | No. 1     | 10)                                     |   |  | <u> </u>    |
| 11608   | 0.001339  | EST(MR0-HT0407-140300-013-h01           | BE159552                                | 4  | NP_003751   |
|         |           | HT0407)                                 |   |  |             |
| 11612   | 0.022106  | Tho2 mRNA, complete cds                 | AF441770                                | Hs.16411   |             |
|         |           | /cds=(1,4437) /gb=AF441770              |   |  |             |
| 2       |           | /gi=20799317 /ug=Hs.16411 /len=4452     |   |  | 2 22        |
|         |           |   |   |  |             |
| 11613   | 0.035177  | cell division cycle associated 1        | NM 145697                               | Hs.234545  | NP 663735   |
|         |           | (CDCA1), transcript variant 1, mRNA     | _                                       |  |             |
| •       |           | /cds=(299,1693) /gb=NM_145697           |   |  |             |
|         | 1.        | /gi=22027506 /ug=Hs 234545              | , š. v                                  | *  |             |
|         |           | /len=2003                               |   |  |             |
| 11618   | 0.023945  | EST 0x12c12.x1                          | AI034084                                |  |             |
| ., 1010 | 0.020040  | Soares_fetal_liver_spleen_1NFLS_S1      | 7 1100 100 1                            | 1  |             |
|         |           | IMAGE:1656118 3'                        |   |  |             |
| 11632   | 0.026797  | EST(DKFZp564B1278_r1 564                | AL110316                                | <del>                                     </del> | NP_001779   |
| 11032   | 9.020191  | (synonym:hfbr2) cDNA clone              | 7 1 100 10                              | 1 100  | _001779     |
| - 0     |           | 1.                                      | ,                                       |  |             |
| 11633   | 0.014500  | DKFZp564B1278 5')                       | A)A/C14447                              |  | <del></del> |
| 11633   | 0.014599  | EST hg75g08.x1 NCI_CGAP_Kid11           | AW614117                                |  |             |
| 44055   | 0.00001=  | cDNA clone IMAGE:2951486 3'             | A A 570000                              |  | <b> </b>    |
| 11652   | 0.003947  | EST(nf43h10.s1 NCI_CGAP_Pr2 cDNA        | AA5/3636                                | 1  |             |
|         |           | clone IMAGE:916579 similar to           |   |  |             |
|         |           | contains element MER22 repetitive       | -                                       |  |             |
|         |           | element)                                |   | <u>                                     </u>     | ļ           |
| 11680   | 0.02801   | EST ys96h09.r1 Soares retina N2b5HR     | H84275                                  |  |             |
|         |           | cDNA clone IMAGE:222689 5'              | 1                                       | 1  |             |
|         | <u> </u>  |   | ·                                       |  |             |
| 11683   | 0.024732  | EST (clone IMAGE:1218466 3' similar     | AA662478                                |  |             |
| 11000   |           |   |   |  |             |

|       | p-value   | nding To Differentially Expressed Gen<br>Description | Gen           | Unigene          | Protein   |
|-------|-----------|--|---------------|------------------|-----------|
| Shor  | p-value   | Describiton  | Acc ssion No. |                  | Accession |
| . :   | 1. T      | *  | ACC SSION NO. | Accession<br>No. | No.       |
| 1695  | 0.022045  | EST (QV4-NN0039-040500-196-e07                       | AW895898      | NO.              | NO.       |
| 1003  | 0.025945  | NN0039   | VAAGSSGSG     | ۸                | *         |
| 1600  | 0.020388  | unnamed protein product                              | BAB14576      | 1                |           |
| 11691 |           | cDNA sequence cDNA sequence                          | AL117502      | ***              | NP 149107 |
| 11031 | 0.02.0040 | DKFZp434D0935 (from clone cDNA                       | 7(2777002     |                  | [1-10107  |
|       |           | sequence DKFZp434D0935)                              |               | *                |           |
| 11693 | 0.008566  | cell adhesion molecule-related/down-                 | NM 016952     | Hs.159565        | NP 058648 |
| ,,,,, | 0.000000  | regulated by oncogenes (CDON),                       | 1111_010002   | 1.10.1,00000     |           |
|       |           | mRNA /cds=(1,3723) /gb=NM_016952                     | 8             |                  |           |
|       |           | /gi=8393083 /ug=Hs.159565 /len=3986                  | (E)           |                  |           |
| * 1   |           |  |               |                  |           |
| 11698 | 0.017288  | EST379919 MAGE resequences,                          | AW967844      | Hs.190465        |           |
|       | ]         | MAGJ cDNA, mRNA sequence                             |               |                  |           |
|       | r         | /gb=AW967844 /gi=8157683                             | *             |                  |           |
|       | ξ         | /ug=Hs.190465 /len=581                               |               |                  |           |
| 11699 | 0.03788   | hypothetical protein MGC5306                         | NM 024116     | Hs.301732        | NP 077021 |
|       | 3.00,00   | (MGC5306), mRNA /cds=(207,1043)                      | (4)           |                  |           |
|       |           | /gb=NM_024116 /gi=13129135                           | Ŋ.            |                  |           |
| · .   |           | /ug=Hs.301732 /len=2336                              |               |                  |           |
| 11703 | 0.004367  | hypothetical protein MGC3295                         | NM 025246     | Hs.101257        | NP 079522 |
|       | †         | (MGC3295), mRNA /cds=(510,1748)                      |               |                  |           |
|       |           | /gb=NM_025246 /gi=13376859                           | *             | **               |           |
|       | A 8.80    | /ug=Hs.101257 /len=1958                              | 2. 10         |                  |           |
| 11705 | 0.017288  | of yeast MAF1 (MAF1), mRNA                           | NM 032272     | Hs.19673         | NP 115648 |
|       |           | /cds=(393,1163) /gb=NM_032272                        |               |                  | 9         |
| . *   | 1         | /gi=14150012 /ug=Hs.19673 /len=1674                  |               |                  |           |
| -     |           |  |               | 480              |           |
| 11710 | 0.009388  | translocase of outer mitochondrial                   | NM 014765     | Hs.75187         | NP_055580 |
|       |           | membrane 20 (yeast) (KIAA0016),                      | T -           |                  | 1 -       |
|       |           | mRNA /cds=(102,539) /gb=NM_014765                    |               |                  | 1         |
| ÷.    |           | /gi=7657256 /ug=Hs.75187 /len=3259                   |               | <b>!</b> .       |           |
|       |           |  |               |                  |           |
| 11725 | 8.37E-04  | hypothetical protein FLJ13657                        | NM_024828     | Hs.178357        | NP_079104 |
|       |           | (FLJ13657), mRNA /cds=(88,1173)                      | -             |                  | -         |
|       |           | /gb=NM_024828 /gi=13376229                           |               |                  |           |
|       |           | /ug=Hs.178357 /len=2252                              |               | *                |           |
| 11732 | 0.032636  | hypothetical protein FLJ20699                        | NM_017931     | Hs.15125         | NP_060401 |
|       |           | (FLJ20699), mRNA /cds=(33,1043)                      | _             |                  |           |
|       |           | /gb=NM_017931 /gi=8923627                            |               |                  |           |
|       | .00       | /ug=Hs.15125 /len=2594                               |               |                  |           |
| 11745 | 0.043799  | FLJ23172 fis, clone LNG10005                         | AK026825      | Hs.306885        |           |
|       |           | /cds=UNKNOWN /gb=AK026825                            |               |                  | ]         |
|       | , , ,     | /gi=10439771 /ug=Hs.306885                           |               |                  |           |
|       |           | /len=1882  |               | 1                |           |
| 11747 | 0.005325  | lysyl oxidase-like 1 (LOXL1), mRNA                   | NM_005576     | Hs.65436         | NP_005567 |
|       |           | /cds=(306,2030) /gb=NM_005576                        |               |                  |           |
|       |           | /gi=5031882 /ug=Hs.65436 /len=2328                   |               |                  | 100       |

|         |              | nding To Differ ntially Express d Gen      |  |              |              |
|---------|--------------|--|--|--------------|--------------|
| Spot    | p-value      | Description                                | Gene   | Unigene      | Prot in      |
|         | 8            |  | Accession No.  | Accession    | Acc ssion    |
|         | -            |  |  | No.          | No.          |
| 11765   | 4.50E-04     | ribosomal protein L12 (RPL12), mRNA        | NM_000976  | Hs.405042    | NP_000967    |
|         |              | /cds=(89,586) /gb=NM_000976                | _  |              | 7            |
|         |              | /gi=15431291 /ug=Hs.405042 /len=632        |  | 4.           |              |
| -       |              | ·  |  |              |              |
| 11777   | 0.00388      | basic transcription factor 3 (BTF3),       | NM_001207  | Hs.101025    | NP 001198    |
| 11111   | 0.009500     | mRNA /cds=(240,728) /gb=NM_001207          | 14111_00.1207  | 113.101023   | 141 _001 150 |
| -       |              |  | erege seguina and  |              | -            |
|         |              | /gi=20070129 /ug=Hs.101025 /len=952        |  |              | risk-        |
| 4.4700  | 0.005044     | D 11 D 11 0 (DD00)                         | NA 024005  | 11- 000000   | NP 114091    |
| 1,1788  | 0.025911     | Bardet-Biedl syndrome 2 (BBS2),            | NM_031885  | Hs.332633    | NP_114091    |
|         |              | mRNA /cds=(422,2587)                       |  |              |              |
| '.<br>: | lv-          | /gb=NM_031885 /gi=22208996                 | in the second of |              |              |
|         |              | /ug=Hs.332633 /len=2978                    |  |              |              |
| 11789   | 0.022106     | high mobility group nucleosomal            | NM_006353  | Hs.236774    | NP_006344    |
|         |              | binding domain 4 (HMGN4), mRNA             |  | *            |              |
|         |              | /cds=(239,511) /gb=NM_006353               |  |              |              |
|         |              | /gi=23238232 /ug=Hs.236774                 |  |              |              |
|         | *            | /len=1980                                  |  |              |              |
| 11796   | 0.047031     | mannose-6-phosphate receptor (cation       | NM. 002355   | Hs.134084    | NP 002346    |
|         |              | dependent) (M6PR), mRNA                    |  |              |              |
|         | ) T          | /cds=(171,1004) /gb=NM_002355              |  |              |              |
|         |              | /gi=10947032 /ug=Hs.134084                 |  |              | 1. y . \$    |
|         |              | /len=2454                                  |  |              |              |
| 11805   | 0.020388     | tryptophanyl-tRNA synthetase (WARS),       | NM 004184  | Hs.82030     | NP 004175    |
|         | 0.02000      | mRNA /cds=(188,1603)                       |  | 1.10.02000   |              |
| À       | ١.           | /gb=NM 004184 /gi=7710155                  |  |              |              |
|         |              | /ug=Hs.82030 /len=2693                     |  |              |              |
| 11818   | 0.012276     | clone 23698 mRNA sequence                  | AF052094   | Hs.8136      |              |
| 11010   | 0.012276     |  | AF032094   | 113.0130     |              |
|         | j            | /gb=AF052094 /gi=3360400                   |  |              |              |
| 11005   | 0.00000      | /ug=Hs.8136 /len=1264                      | NIA 1000500  | 11- 400400   | ND 000507    |
| 11825   | 0.002602     | insulin-like growth factor binding protein | MM-000290  | Hs.102122    | NP_000587    |
|         |              | 1 (IGFBP1), mRNA /cds=(166,945)            | 1 - 2 N 2  |              |              |
| * *     |              | /gb=NM_000596 /gi=4504614                  | 0.000  |              |              |
|         |              | /ug≈Hs.102122 /len=1514                    |  |              |              |
|         |              |  | ×  |              |              |
| 11839   | 0.043799     | proteasome (prosome, macropain) 26S        | NM_002803  | Hs.61153     | NP_002794    |
|         | · .          | subunit, ATPase, 2 (PSMC2), mRNA           | 3  |              |              |
|         |              | /cds=(71,1372) /gb=NM_002803               |  |              |              |
|         |              | /gi=24430152 /ug=Hs.61153 /len=1545        | /  |              |              |
|         | 000          |  |  |              |              |
| 11866   | 0.025911     | PC4 and SFRS1 interacting protein 1        | NM_021144  | Hs.351305    | NP_066967    |
|         |              | (PSIP1), mRNA /cds=(78,1079)               |  |              |              |
|         |              | /gb=NM 021144 /gi=16945969                 |  | , <b>s</b> . | *            |
|         |              | /ug=Hs.351305 /len=1677                    |  |              |              |
| 11898   | 0.012526     | intersectin 2 (ITSN2), transcript variant  | NM_006277  | Hs.166184    | NP 671494    |
| 11020   | 1 0.0 12,020 | 1, mRNA /cds=(242,5332)                    | 14141_000211   | 113,100104   | 131 _0/ 1434 |
|         |              |  |  |              |              |
|         |              | /gb=NM_006277 /gi=22325384                 |  |              |              |
|         |              | /ug=Hs.166184 /len=6092                    |  | 1            | 1            |

|          |                                       | nding To Differ intially Expressed Gen  |               |            |             |
|----------|---------------------------------------|---|---------------|------------|-------------|
| Spot     | p-value                               | Description                             | Gene          | Unigene    | Prot in     |
|          |                                       |   | Accession No. | Accession  | Acc ssion   |
|          |                                       |   |               | No.        | No          |
| 11912    | 0.018784                              | hypothetical protein MGC40157           | NM_152350     | Hs.295362  | NP_689563   |
|          |                                       | (MGC40157), mRNA /cds=(106,498)         |               |            | _           |
|          |                                       | /gb=NM_152350 /gi=22748758              | ***           |            |             |
|          |                                       | /ug=Hs.295362 /len=1250                 |               | -          |             |
| 11929    | 0.007807                              | zv64c04.s1                              | AA393802      | Hs.443312  |             |
|          |                                       | Soares total fetus Nb2HF8 9w cDNA       |               |            |             |
| -        |                                       | clone IMAGE:758406 3', mRNA             |               |            |             |
|          |                                       | sequence /clone=IMAGE:758406            |               |            |             |
|          |                                       | /clone_end=3' /gb=AA393802              |               |            |             |
| ·        |                                       | /gi=2046769 /ug=Hs.443312 /len=421      |               |            | -           |
| 11930    | 8 37F-04                              | hypothetical protein FLJ30574           | NM 144629     | Hs.350388  | NP 653230   |
|          |                                       | (FLJ30574), mRNA /cds=(403,1908)        | 111020        | 113.000000 | 111 _000200 |
| 1        |                                       | /gb=NM_144629 /gi=21389456              |               | Ni et e    |             |
|          |                                       | /ug=Hs.350388 /len=3113                 | -             |            |             |
| 11932    | 0.043799                              | LIN-7 protein 3, cDNA: FLJ21887 fis,    | AK025540      | Hs.91393   | NP 060832   |
| 11332    | 0.040795                              | clone HEP03135, highly similar to       | //ixuzyu40    | [113.31030 | [Nr _000052 |
|          |                                       | AF090900 Homo sapiens clone             |               |            |             |
| • •      |                                       | HQ0189 PRO0189 mRNA                     |               |            | 7 8 1 5 6 7 |
| 1        | [                                     | /cds=UNKNOWN /gb=AK025540               |               |            | 1           |
|          | [ : ]                                 | - · · · · · · · · · · · · · · · · · · · |               |            |             |
|          | 1.                                    | /gi=10438087 /ug=Hs:91393 /len=2440     |               |            |             |
| 44020    | 0.047024                              | turcina 2 managanaga Azatanban          | NIM 040470    | 11- 25004  | ND 020044   |
| 11939    | 0.047031                              | tyrosine 3-monooxygenase/tryptophan     | NM_012479     | Hs.25001   | NP_036611   |
|          |                                       | 5-monooxygenase activation protein,     |               |            |             |
|          |                                       | gamma polypeptide (YWHAG), mRNA         |               |            |             |
|          |                                       | /cds=(192,935) /gb=NM_012479            |               |            |             |
|          |                                       | /gi=21464100 /ug=Hs.25001 /len=3747     | Sec.          |            |             |
| 11.      |                                       |   |               |            |             |
| 7        | 2 2 2 2 2 2                           |   |               |            |             |
| 11940    | 0.017288                              | sorting nexin 14 (SNX14), transcript    | NM_153816     | Hs.375181  | NP_722523   |
|          | · · · · · · · · · · · · · · · · · · · | variant 1, mRNA /cds=(182,3022)         |               | 1:         | * ÷ •       |
|          |                                       | /gb=NM_153816 /gi=24797144              |               |            |             |
| <u> </u> |                                       | /ug=Hs.375181 /len=3490                 |               |            |             |
| 11946    | 0.031362                              | hypothetical protein FLJ20432           | NM_017819     | Hs.57898   | NP_060289   |
|          |                                       | (FLJ20432), mRNA /cds=(603,1361)        |               |            | 1           |
|          |                                       | /gb=NM_017819 /gi=8923404               | \$ G          | 1          | i. :        |
| •.       |                                       | /ug=Hs.57898 /len=1654                  |               |            |             |
|          |                                       | traube (Trb), mRNA                      | NM_019816     |            | NP_062790   |
| 11956    | 0.035177                              | cDNA FLJ11439 fis, clone                | AK021501      | Hs.287416  |             |
|          | , ,                                   | HEMBA1001299. /gb=AK021501              |               |            | t .         |
|          |                                       | /gi=10432697 /ug=Hs.287416              |               |            |             |
|          |                                       | /len=1500                               |               |            | ]           |
| 11957    | 0.003539                              | DKFZp564I112 (from clone                | AL110136      | Hs.47679   |             |
|          |                                       | DKFZp564I112) mRNA; cDNA                |               |            | 1           |
|          |                                       | /cds=UNKNOWN /gb=AL110136               |               | 1          | *           |
| 1        |                                       | /gi=5817031 /ug=Hs.47679 /len=1885      | ] .           | · ·        |             |
| 11959    | 0.012276                              | similar to cortistatin (H. sapiens)     | XM_010524     |            |             |
| 11308    |                                       |   |               |            |             |

| Genes | Correspoi | nding To Differentially Expressed Gen                | es in Figure 20 -                     | RA        |   |
|-------|-----------|--|---------------------------------------|-----------|---|
|       | p-value   | Description  | Gen                                   | Unigene   | Protein                                 |
|       |           |  | Accession No.                         | Accession | Accession                               |
|       |           |  |                                       | No.       | No.                                     |
| 11967 | 5.11E-04  | TNF receptor-associated factor 5                     | NM_004619                             | Hs.29736  | NP_665702                               |
| 1     |           | (TRAF5), transcript variant 1, mRNA                  | -                                     |           |   |
|       |           | /cds=(194,1867) /gb=NM_004619                        | · · · · · · · · · · · · · · · · · · · |           |   |
| 300   |           | /gi=22027625 /ug=Hs 29736 /len=4132                  | = .                                   | . *       |   |
|       |           |  |                                       |           |   |
| 11968 | 0.005325  | likely ortholog of mouse Mak3p (S.                   | NM_025146                             | Hs.288932 | NP_079422                               |
|       | * /       | cerevisiae) (MAK3P), mRNA                            |                                       |           |   |
|       | g V       | /cds=(301,810) /gb=NM_025146                         |                                       |           | ,                                       |
| ì     |           | /gi=13376734 /ug=Hs.288932                           | . ·                                   |           |   |
| :     |           | /len=3576  |                                       |           | * |
| 11978 | 0.032636  | mitochondrial ribosomal protein L27                  | NM_148571                             | Hs.7736   | NP_683412                               |
|       |           | (MRPL27), nuclear gene encoding                      |                                       |           |   |
|       |           | mitochondrial protein, transcript variant            | 0:                                    |           |   |
|       |           | 2, mRNA /cds=(32,316)                                | 7                                     |           |   |
|       |           | /gb=NM_148571 /gi=22547130                           | ,                                     |           |   |
|       |           | /ug=Hs.7736 /len=2472                                |                                       |           |   |
| 12002 | 0.040751  | 601820680F1 NIH_MGC_58 cDNA                          | BF131709                              | Hs.145741 |   |
|       |           | clone IMAGE:4052611 5', mRNA                         |                                       |           |   |
|       |           | sequence /clone=IMAGE:4052611                        |                                       |           |   |
|       |           | /clone_end=5' /gb=BF131709                           |                                       |           |   |
|       |           | /gi=10970749 /ug=Hs.145741 /len=538                  | 4. 17                                 |           |   |
|       |           |  |                                       |           |   |
| 12003 | 0.005325  | EST(zi39c11.s1 Soares fetal liver                    | AA680133                              |           | NP_660208                               |
|       |           | spleen 1NFLS S1 cDNA clone 433172                    |                                       | s .       |   |
|       | *         | [3')   |                                       |           |   |
| 12022 |           | kinesin family protein 3B (KIF3B)                    | NM_004798                             |           | NP_004789                               |
| 12037 | 0.002337  | EST(EST58819 Infant brain 3' contains                | AA351153                              |           |   |
|       |           | Alu repeat)  |                                       |           |   |
| 12039 | 0.03788   | EST(zw86f08.r1 Soares total fetus                    | AA447168                              |           | NP_115787                               |
| * :   |           | Nb2HF8 9w cDNA clone 783879 5')                      |                                       | ; ; ; ·   |   |
|       |           | 41/43bp match  |                                       | , ,       | -×                                      |
| 12052 | 0.009388  | helicase-like protein (KIAA2023),                    | NM_173082                             | Hs.231907 | NP_775105                               |
|       | 10.5      | mRNA /cds=(399,5378)                                 |                                       | f         |   |
| -     | -         | /gb=NM_173082 /gi=27436872                           |                                       |           |   |
|       |           | /ug=Hs.231907 /len=7011                              |                                       |           |   |
| 12055 | 0.01932   | mRNA for KIAA1694 protein, partial                   | AB051481                              | Hs.19597  | NP_085132                               |
|       |           | cds. /cds=(1,2275) /gb=AB051481                      |                                       |           | er .                                    |
|       |           | /gi=12697932 /ug=Hs.19597 /len=4235                  | {·                                    |           | 1                                       |
|       |           |  |                                       |           |   |
| 12056 | 0.025911  | EST(ak48e09.s1 Soares testis NHT                     | AA860225                              |           |   |
| ٠,    |           | clone IMAGE:1409224 3')                              |                                       |           |   |
| 12066 | 0.025911  | chromosome 1 open reading frame 19                   | NM_052965                             | Hs.32058  | NP_443197                               |
|       |           | (C1orf19), mRNA /cds=(51,566)                        |                                       |           | *                                       |
|       |           | L  | 1                                     | 1         | ľ                                       |
| Ì     | ,         | /gb=NM_052965 /gi=24308389<br>/ug=Hs.32058 /len=1943 |                                       | 1         |   |

| G nes                                    | Correspoi | nding To Differentially Expressed Gen                             | es in Figure 20 -       |  | 0           |
|--|-----------|---|-------------------------|--|-------------|
| Spot                                     | p-value   | Description   | Gen                     | Unigene  | Prot in     |
| 1  |           |   | Acc ssion No.           | Accession  | Acc ssion   |
|  |           |   |                         | No.  | No.         |
| 12074                                    | 0.03788   | EST(as88c04.x1 Barstead colon                                     | AI735066                |  |             |
| 1.0                                      | · · · · · | HPLRB7 clone IMAGE:2335782 3'                                     |                         |  |             |
|  |           | TR:Q13538 Q13538 ORF2:  |                         |  |             |
| ,  |           | FUNCTION UNKNOWN; contains Alu                                    | 7 - 3                   |  |             |
|  | . (       | repeat)   |                         |  |             |
| 120/6                                    | 0.015895  | small nuclear ribonucleoprotein D2                                | NM_004597               | Hs.424327  | NP_808210   |
|  |           | polypeptide 16.5kDa (SNRPD2), mRNA                                | ** **                   |  |             |
|  |           | /cds=(31,387) /gb=NM_004597                                       |                         |  | . 1         |
|  |           | /gi=7242206 /ug=Hs.424327 /len=479                                |                         |  |             |
| 40070                                    | 0.00004   |   | 1114 000444             | 11 050470  | ND 200400   |
| 12078                                    | 0.02801   | acetyl-Coenzyme A acyltransferase 2                               | NM_006111               | Hs.356176  | NP_006102   |
|  |           | (mitochondrial 3-oxoacyl-Coenzyme A                               |                         |  |             |
|  |           | thiolase) (ACAA2), nuclear gene                                   |                         | * *  |             |
|  |           | encoding mitochondrial protein, mRNA /cds=(49,1242) /gb=NM_006111 |                         |  |             |
|  |           | /gi=5174428 /ug=Hs.356176 /len=1584                               |                         |  |             |
| 4 4                                      | 4.0       | /gi=51/4426 /ug=ns.5561/6 /ieii=1564                              | المروال والمعلمة المورج |  |             |
| 12081                                    | 0.040751  | hypothetical protein FLJ13855                                     | NM_023079               | Hs.168232  | NP 075567   |
| 12001                                    | .0.040731 | (FLJ13855), mRNA /cds=(328,1068)                                  | [NIVI_023079            | 1715. 100232   | INP_075567  |
|  |           | /gb=NM_023079 /gi=20149671  |                         |  |             |
|  |           | /ug=Hs.168232 /len=3053   |                         |  |             |
| 12099                                    | 6 56F-04  | nuclear cap binding protein subunit 2,                            | NM_007362               | Hs.240770  | NP 031388   |
| 12000                                    | 0.002-04  | 20kDa (NCBP2), mRNA /cds=(27,497)                                 | 14141_007302            | 115.240770   | 1111-051500 |
|  |           | /gb=NM_007362 /gi=19923386  |                         |  |             |
|  |           | /ug=Hs.240770 /len=2120   |                         |  | 1           |
|  |           | , ag 110.230  |                         |  |             |
| 12108                                    | 0.004825  | ij34a12.y1 Melton Normalized Islet 4 N4                           | BQ129288                | Hs.254789  |             |
|  |           | HIS 1 cDNA clone IMAGE:6136606 5',                                |                         | :  |             |
| en en en e |           | mRNA sequence   |                         |  |             |
|  |           | /clone=IMAGE:6136606 /clone_end=5'                                | × 0                     |  |             |
|  |           | /gb=BQ129288 /gi=20203199   |                         |  |             |
| *  |           | /ug=Hs.254789 /len=485  |                         | Project Control of the Control of th |             |
|  |           |   |                         |  |             |
| 12110                                    | 0.023945  | EST(qx95c04.x1 NCI_CGAP_GC6                                       | Al365336                |  |             |
|  |           | cDNA clone IMAGE:2010246 3')                                      |                         |  |             |
| 12112                                    | 0.013394  | EST(xu58f03.x1 NCI_CGAP_Ut1 clone                                 | AW511419                |  | NP_073572   |
|  |           | IMAGE:2805917 3' TR:O35371  | *                       |  |             |
|  |           | O35371 PERIPHERIAL  |                         |  |             |
|  | . (       | BENZODIAZEPINE RECEPTOR   |                         |  |             |
|  |           | ASSOCIATED PROTEIN)   |                         |  |             |
| 12140                                    | 0.001878  | EST nk17g03.s1 NCI_CGAP_Co11                                      | AA582722                |  |             |
| 1  |           | cDNA clone IMAGE:1013812 3'                                       |                         |  | - 20        |
| 12155                                    | 0.017288  | EST AV734861 cdA H.sapiens cDNA                                   | AV734861                |  |             |
|  |           | clone cdAAPC07 5'   |                         |  |             |

|       |          | nding To Differentially Expr ssed Gen |               |             | Deat :-           |  |
|-------|----------|---------------------------------------|---------------|-------------|-------------------|--|
| Spot  | p-value  |                                       | Gene          | Unigene     | Prot in           |  |
|       |          |                                       | Accession No. | Accession   | Acc ssion         |  |
| 1     |          |                                       |               | No          | No                |  |
| 2182  | 0.017288 | Williams-Beuren Syndrome critical     | NM_145645     | Hs.406306   | NP_663620         |  |
|       |          | region protein 20 copy B (WBSCR20B),  | -             |             | _                 |  |
| •     |          | mRNA /cds=(984,1448)                  |               | (           | -                 |  |
|       |          | /gb=NM_145645 /gi=21717802            |               |             |                   |  |
|       |          | /ug=Hs.406306 /len=1634               | *             |             | -                 |  |
|       |          | /ug=115.400300 /left=1034             | 3.77          |             |                   |  |
|       | 0.015005 | DNA 51 144000 5                       | A1(004040     | 11 070040   |                   |  |
| 12184 | 0.015895 | cDNA FLJ11086 fis, clone              | AK001948      | Hs.272240   |                   |  |
|       | 100      | PLACE1005266. /gb=AK001948            |               |             |                   |  |
|       |          | /gi=7023529 /ug=Hs.272240 /len=1899   | er v          | 1000        |                   |  |
|       |          |                                       | ×             | ]           |                   |  |
| 12189 | 0.003947 | EST AV750486 NPC H.sapiens cDNA       | AV750486      |             |                   |  |
|       |          | clone NPCDCF06 5'                     |               |             |                   |  |
| 12195 | 0.013394 | EST (as58h11.x1 Barstead colon        | AI718786      | 17          |                   |  |
|       | 3.0.0004 | HPLRB7 cDNA clone IMAGE:2332965       |               | 41.         |                   |  |
|       |          | 3' similar to contains Alu repetitive |               |             |                   |  |
| •     |          |                                       |               |             |                   |  |
| 4040= | 2 60 700 | element)                              | 44.040005     | 11 110100   | The second second |  |
| 12197 | 0.03788  | DKFZp586E2017_r1 586 (synonym:        | AL046885      | Hs.413463   |                   |  |
|       |          | hute1) cDNA clone DKFZp586E2017.5,    |               |             |                   |  |
|       | -        | mRNA sequence                         |               |             |                   |  |
|       | 1 1 1 1  | /clone=DKFZp586E2017 /clone_end=5'    |               |             |                   |  |
| .00   |          | /gb=AL046885 /gi=5936275              |               |             |                   |  |
|       |          | /ug=Hs.413463 /len=640                |               | =           |                   |  |
| 12198 | 0.002337 | clone IMAGE:4606942, mRNA, partial    | BC022881      | Hs.369550   |                   |  |
|       | 0.002007 | cds /cds=(1,188) /gb=BC022881         | 5002200       |             |                   |  |
|       |          | /gi=18605588 /ug=Hs.369550            | 2             | 0           |                   |  |
|       | <u> </u> | 1 7                                   |               |             | 0                 |  |
| 40004 | 0.004000 | /len=1749                             | D70000        | <del></del> |                   |  |
| 12201 | 0.001062 | EST (Soares placenta Nb2HP            | R76686        |             |                   |  |
|       |          | IMAGE:143740 3')                      |               |             |                   |  |
| 12202 | 0.030249 | F-box and leucine-rich repeat protein | NM_012158     | Hs.7540     | NP_036290         |  |
|       |          | 3A (FBXL3A), mRNA /cds=(298,1584)     | ) ;           |             | · ·               |  |
|       |          | /gb=NM_012158 /gi=16306583            |               |             |                   |  |
|       |          | /ug=Hs.7540 /len=3489                 |               |             |                   |  |
| 12209 | 0.001062 | EST(zf69b06.r1                        | AA063201      |             |                   |  |
|       |          | Soares_pineal_gland_N3HPG             |               | T.          | i .               |  |
|       |          | H.sapiens cDNA clone IMAGE:382163     |               |             |                   |  |
|       |          |                                       | · · · · ·     | i ×         |                   |  |
| 10040 | 0.00004  | 5')                                   | AKOOESEO      | Un 4650C    | *                 |  |
| 12210 | 0.02801  | cDNA FLJ38039 fis, clone              | AK095358      | Hs.46506    |                   |  |
|       |          | CTONG2013934. /gb=AK095358            |               | **          |                   |  |
|       | -        | /gi=21754600 /ug=Hs.46506 /len=2956   |               |             |                   |  |
|       | 10       |                                       | <u> </u>      |             |                   |  |
| 12213 | 0.047031 | repetitive sequence (ALU SUBFAMILY    | P39188        |             |                   |  |
|       |          | J)                                    |               |             | J                 |  |
| 12217 | 0.03788  | chromosome 1 open reading frame 22    | NM 025191     | Hs.279951   | NP 079467         |  |
|       | 3,30,30  | (C1orf22), mRNA /cds=(54,2723)        |               |             |                   |  |
|       | ] ·      | /gb=NM 025191 /gi=19923618            |               |             | 1 7               |  |
|       | 1        |                                       | 1 .           |             | 1                 |  |
|       | 1        | /ug=Hs.279951 /len=6298               | l ·           | 1 .         | 1.                |  |

|             |                      | nding To Differ ntially Expr ssed Gen  |                                       |                |  |
|-------------|----------------------|--|---------------------------------------|----------------|--|
| Spot        | p-value              | Description                            | Gene                                  | Unigene        | Protein                                |
| . 1         |                      | •                                      | Accession No.                         | Accession      | Acc ssion                              |
|             | 1                    |  | , '                                   | No             | No.                                    |
| 12220       | 0.00168              | wb40b11.x1 NCI_CGAP_GC6 cDNA           | AI652865                              | Hs.374238      |  |
|             | _                    | clone IMAGE:2308125 3', mRNA           | -                                     |                |  |
|             | (                    | sequence /clone=IMAGE:2308125          |                                       |                | e e semble e                           |
|             |                      | /clone_end=3' /gb=Al652865             | *                                     | ļ.             |  |
|             |                      | /gi=4736844 /ug=Hs.374238 /len=598     |                                       |                |  |
| 12221       | 0.00587              | hAWMS1 mRNA, complete cds.             | AB052759                              | Hs.445652      |  |
|             | 3.3333               | /cds=(232,444) /gb=AB052759            | ,,,,,,,,                              | 110.14002      |  |
|             | 1                    | /gi=27529922 /ug=Hs.445652             |                                       | Ì              |  |
|             |                      | /len=1470                              |                                       | 0.0            |  |
| 12224       | 0.055.05             | gp25L2 protein (HSGP25L2G), mRNA       | NM 017510                             | Un 270020      | NP 059980                              |
| 12224       | 9.93⊑-0 <u>3</u><br> |  | 141M_017510                           | Hs 279929      | NP_028800                              |
|             |                      | /cds=(76,720) /gb=NM_017510            |                                       |                | *                                      |
|             |                      | /gi=24475637 /ug=Hs.279929             |                                       |                | *                                      |
| 10000       | 000040               | /len=1420                              | 411100==00                            |                |  |
| 12226       | 0.003213             | EST (xb68c06.x1                        | AW087708                              |                | NP_002962                              |
| •           |                      | Soares_NFL_T_GBC_S1 cDNA clone         |                                       |                |  |
| W 77 19     |                      | IMAGE:2581450 3')                      |                                       |                |  |
| 12227       | 0.032636             | cDNA, 3' end /clone=IMAGE:3038322      | BE042649                              | Hs.275673      |  |
|             |                      | /clone_end=3' /gb=BE042649             |                                       |                | j                                      |
|             |                      | /gi=8359628 /ug=Hs.275673 /len=435     |                                       |                |  |
| 12228       | 0.002337             | TSLC1-like 2 (TSLL2), mRNA             | NM_145296                             | Hs.164773      | NP_660339                              |
|             |                      | /cds=(50,1216) /gb=NM_145296           |                                       |                | 7 = 1                                  |
|             | l                    | /gi=21686976 /ug=Hs.164773             |                                       |                |  |
| - ;         |                      | /len=2176                              |                                       |                |  |
| 12231       | 0.001193             | EST (UI-H-BI3-akf-b-05-0-UI.s1         | AW449060                              | × 1            | NP 061174                              |
|             |                      | NCI_CGAP_Sub5 clone                    |                                       | 4              |  |
|             |                      | IMAGE:2734017 3')                      |                                       |                |  |
| 12237       | 0.006463             | EST (602496405F1 NIH MGC 75            | BG433151                              |                | 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|             |                      | clone IMAGE:4610376 5')                |                                       |                |  |
| 12238       | 0.020388             | hypothetical protein LOC115286         | NM 173471                             | Hs.379386      | NP 775742                              |
| 12200       | 0.02000              | (LOC115286), mRNA /cds=(189,740)       | 14141-17 047                          | 113.07000      | 111 _110142                            |
|             |                      | /gb=NM_173471 /gi=27735034             |                                       |                |  |
| . :         | • • .                | /ug=Hs.379386 /len=1873                |                                       |                |  |
| 12240       | 0.025177             | xq09e02.x1 NCI_CGAP_Ut1 cDNA           | AW517395                              | Hs.445194      |  |
| 12240       | 0.033177             |  | AVV517395                             | IDS.445194     |  |
|             |                      | clone IMAGE:2750138 3' similar to      |                                       |                | 1                                      |
|             |                      | contains Alu repetitive element,, mRNA | ,                                     |                |  |
|             |                      | sequence /clone=IMAGE 2750138          |                                       |                | · ·                                    |
| •           | }                    | /clone_end=3' /gb=AW517395             |                                       | 1              |  |
|             |                      | /gi=7155477 /ug=Hs.445194 /len=519     |                                       |                |  |
|             |                      |  |                                       |                | <u> </u>                               |
| 12243       | 0.032636             | mRNA; cDNA DKFZp313P0434 (from         | AL832702                              | Hs.125019      |  |
|             |                      | clone DKFZp313P0434) /gb=AL832702      |                                       | l <sub>k</sub> |  |
|             | }                    | /gi=21733281 /ug=Hs.125019             | *                                     |                | 1                                      |
|             |                      | /len=2995                              |                                       |                | <u></u>                                |
| 12248       | 0.049079             | EST(yd28g06.r1 Soares fetal liver      | T82238                                | *              |  |
|             | L                    | spleen 1NFLS IMAGE:109594 5')          |                                       |                | i i                                    |
| <del></del> | -                    |  | · · · · · · · · · · · · · · · · · · · | <del></del>    |  |

| Genes    | Correspoi  | nding To Differentially Expressed Gen | es in Figure 20 -     | RA   |                |
|----------|------------|---------------------------------------|-----------------------|--|----------------|
|          |            | Description                           | Gene C                | Unigene  | Protein        |
|          | *          |                                       | Accession No.         | Accession  | Accession      |
|          |            | * -                                   |                       | No.  | No.            |
| 12250    | 0.049079   | spastic paraplegia 3A (autosomal      | NM 015915             | Hs.241503  | NP 056999      |
|          |            | dominant) (SPG3A), mRNA               | _                     |  |                |
| i i e    |            | /cds=(173,1849) /gb=NM_015915         | والمحاط وأسلالاتون فا | 1  |                |
|          |            | /gi=19923444 /ug=Hs 241503            |                       |  |                |
|          |            | /len=2573                             |                       |  |                |
| 12255    | 0.001339   | solute carrier family 38, member 2    | NM 018976             | Hs.298275  | NP 061849      |
| 12200    | 0.001000   | (SLC38A2), mRNA /cds=(352,1872)       | 14010070              | 113.200210                                       | -00 1040       |
|          | * \        | /gb=NM_018976 /gi=21361601            | 0.0                   |  |                |
|          |            | /ug=Hs.298275 /len=4795               |                       |  | :              |
| 12257    | 0.007807   | EST390958 MAGE resequences,           | AW978849              | Hs.124977  | gradu digar    |
| 12201    | 0.007007   | MAGP cDNA, mRNA sequence              | AVV370043             | 115.124577                                       | -              |
|          | -          | /gb=AW978849 /gi=8170126              |                       |  | a ·            |
| , '      |            |                                       |                       |  |                |
| 12262    | 7.445.04   | /ug=Hs:124977 /len=678                | BF870398              | ****   | ND 007004      |
| 12202    | 7.4 (E-04) | EST (IL3-ET0114-281000-318-C11        | DF6/0398              |  | NP_037364      |
| 40004    | 0.00700    | ET0114)                               | D0045740              | 11 2050  |                |
| 12264    | 0.03788    | clone IMAGE:3909104, mRNA             | BC015719              | Hs.8852  |                |
|          |            | /gb=BC015719 /gi=16041698             |                       |  |                |
|          |            | /ug=Hs.8852 /len=3169                 |                       |  |                |
| 12267    | 0.002337   | EST (op46b10.s1                       | AA978266              | ,  |                |
|          | - 13 T     | Soares_NFL_T_GBC_S1                   |                       |  |                |
|          |            | IMAGE:1579867 3 <sup>1</sup> )        |                       |  |                |
| 12274    | 0.04407    | AV719140 GLC cDNA clone               | AV719140              | Hs.444680  |                |
|          |            | GLCDHA04 5', mRNA sequence            |                       |  |                |
| **       |            | /clone=GLCDHA04 /clone_end=5'         |                       | * *  | * * *: **      |
|          |            | /gb=AV719140 /gi=10816292             |                       |  | * * *          |
|          |            | /ug=Hs.444680'/len=454                |                       |  | '              |
| 12276    | 0.009388   | UI-1-BC1p-ald-f-02-0-UI.s1            | BQ013925              | Hs.312222  |                |
|          | ±27        | NCI_CGAP_PI3 cDNA clone UI-1-BC1p     |                       |  |                |
| 3        |            | ald-f-02-0-UI 3', mRNA sequence       |                       |  |                |
|          | 7 × 1      | /clone=UI-1-BC1p-ald-f-02-0-UI        | *) "                  |  |                |
|          |            | /clone_end=3' /gb=BQ013925            |                       |  | ·              |
|          |            | /gi=19738826 /ug=Hs.312222            |                       |  |                |
| par nice |            | /len=1296                             |                       | . 0  | *              |
| 12277    | 0.023945   | EST (cn13c11.y1 Normal Human          | AI752038              | - 1 N  | NP_003893      |
| 7 .      |            | Trabecular Bone Cells clone           |                       |  | <del>-</del> , |
|          |            | NHTBC_cn13c11 random)                 |                       |  |                |
| 12281    | 0.009388   | EST(EST381388 MAGE resequences,       | AW969311              | <del>                                     </del> | NP_116277      |
|          | 0.00000    | MAGK)                                 |                       | *  |                |
| 12292    | 0.023945   | EST(FB3F2 Fetal brain, Stratagene     | T03208                |  |                |
|          | 7.5250.0   | cDNA clone FB3F2 3'end)               | 1.30200               | *  |                |
| 12294    | 0.023945   | EST(7e58a12.x1                        | BE644843              |  | NP_006845      |
| 12207    | 0.020040   | Soares_NSF_F8_9W_OT_PA_P_S1           | 1020,14040            | 1  |                |
|          |            | cDNA clone IMAGE:3286654 3')          |                       |  |                |
| 12300    | 0.022045   | hypothetical protein MGC32104         | NM 144684             | Hs.147025  | NP_653285      |
| 12300    | 0.023945   | 1                                     | 144004                | 1118.147020                                      | INF_0002200    |
|          |            | (MGC32104), mRNA /cds=(101,1651)      | · · · · · ·           | ,  | -×-            |
|          |            | /gb=NM_144684 /gi=21389584            | ·                     |  |                |
|          |            | /ug=Hs.147025 /len=4732               | ·                     | L  | <u> </u>       |

|           |   | nding To Differentially Expressed Gen |  |   |                      |
|-----------|---|---------------------------------------|--|---|----------------------|
| Spot      | p-value                                 | D scription                           | Gen<br>Accession No.   | Unigene<br>Accession                    | Protein<br>Accession |
|           |   |                                       | <u></u>  | No.                                     | No.                  |
| 12301     | 0.003947                                | UI-H-EZ1-bbc-h-11-0-UI.s1             | BQ574842   | Hs.235026                               |                      |
|           |   | NCI_CGAP_Ch2 cDNA clone UI-H-EZ1      |  |   |                      |
|           |   | bbc-h-11-0-UI 3', mRNA sequence       |  | -                                       |                      |
| 1         |   | /clone≃UI-H-EZ1-bbc-h-11-0-UI         |  |   |                      |
|           | . 3                                     | /clone_end=3' /gb=BQ574842            |  |   |                      |
| 2         | -                                       | /gi=21478159 /ug=Hs.235026            |  | <b>i</b>                                |                      |
|           |   | /len=1065                             |  | ,                                       | *                    |
| 12302     | 0.025911                                | EST(zh85g03.s1                        | AA002088   |   | NP_002773            |
|           |   | Soares_fetal_liver_spleen_1NFLS_S1    |  |   | -                    |
|           |   | cDNA clone IMAGE:428116 3'            |  |   |                      |
| 12303     | 0.003947                                | imageqc_1_2001/smg463bdff41.x1        | BI850999   | Hs.348651                               |                      |
|           |   | Soares_NFL_T_GBC_S1 cDNA clone        |  |   |                      |
|           |   | IMAGE:4571343 3', mRNA sequence       |  |   |                      |
| ter t.    |   | /clone=IMAGE:4571343 /clone_end=3'    |  |   |                      |
|           | [ · · · · · · · · · · · · · · · · · · · | /gb=BI850999 /gi=16004486             |  |   |                      |
| . 15. 157 | a sang                                  | /ug=Hs.348651 /len=632                | en interes en grande de la companya de la companya de la companya de la companya de la companya de la companya |   | 1. 1.                |
| :         | 9                                       | 74g=713.04000771017-002               |  |   | - X-                 |
| 12306     | 0.022106                                | EST(cDNA clone IMAGE:667817 5')       | AA258698   |   |                      |
| 12311     |   | DKFZP566l1024 protein                 | NM 015411  | Hs.279696                               | NP 056226            |
| 12311     | 7.416-04                                | (DKFZP56611024), mRNA                 | 14141_010411   | 113.273030                              | 141 _030220          |
| •         |   | /cds=(48,953) /gb=NM_015411           |  |   |                      |
|           |   |                                       |  | ( · · · · · · · · · · · · · · · · · · · |                      |
|           |   | /gi=24308052 /ug=Hs.279696            |  | 1 .                                     | · · · · ·            |
| 40000     | 0.00507                                 | /len=2005                             | A C C C C C C C C C C C C C C C C C C C  | <del></del>                             |                      |
| 12333     | 0.00587                                 |                                       | AQ683118   |   | }                    |
|           |   | Human Male BAC Library genomic        |  |   |                      |
| 10011     | 2 222212                                | clone Plate=954 Col=10 Row=B)         | Disartos   | 1                                       |                      |
|           |   | EST(cDNA clone IMAGE:5303467 5')      | BI597128   |   |                      |
| 12355     | 0.043799                                | cDNA FLJ36238 fis, clone              | AK093557   | Hs.345588                               |                      |
|           |   | THYMU2001422. /gb=AK093557            | * * *  |   |                      |
|           | •                                       | /gi=21752458 /ug=Hs.345588            |  | - 1                                     |                      |
|           |   | /len=2269                             |  |   | L                    |
| 12369     | 0.017288                                | QV3-BN0047-150400-152-h07 BN0047      | AW997115   | Hs.274352                               |                      |
|           |   | cDNA, mRNA sequence                   |  | )                                       |                      |
| ,         |   | /gb=AW997115 /gi=8257349              |  | + +                                     |                      |
|           |   | /ug=Hs.274352 /len=686                |  | <u> </u>                                | <u> </u>             |
| 12370     | 0.001878                                | mRNA; cDNA DKFZp586N2424 (from        | AL157503   | Hs.27552                                |                      |
|           |   | clone DKFZp586N2424) /gb=AL157503     | **   |   |                      |
|           |   | /gi=7018553 /ug=Hs.27552 /len=2220    |  |   | ]                    |
|           |   |                                       | *  | *                                       | <u></u> _            |
| 12376     | 0.001637                                | ESTs, cDNA, 5' end                    | BF032850   | Hs.5367                                 |                      |
|           |   | /clone=IMAGE:3859365 /clone_end=5'    | *  |   | 1                    |
|           | j                                       | /gb=BF032850 /gi=10740562             | *  |   |                      |
|           | ,                                       | /ug=Hs.5367 (=ESTs, Weakly similar to |  |   | i                    |
|           | - 8-                                    | T02670 probable thromboxane A2        |  | 1                                       | 1                    |
|           | 1                                       | receptor isoform beta)                |  |   |                      |
|           |   | 1.000ptor loojonn botaj               |  |   |                      |

|                                       |                 | nding To Differentially Expressed Gen   |  |             |              |
|---------------------------------------|-----------------|---|--|-------------|--------------|
| Spot                                  | p-value         | Description                             | Gen  | Unigene     | Protein      |
|                                       |                 |   | Accession No.  | Accession   | Accession    |
|                                       |                 |   |  | No.         | No.          |
| 12377                                 | 0.003213        | ts88e10.x1 NCI_CGAP_GC6 cDNA            | Al918786   | Hs.212310   |              |
| · · · · · · · · · · · · · · · · · · · |                 | clone IMAGE:2238378 3' similar to       |  | *           | :            |
|                                       | . '             | contains L1.t3 L1 repetitive element ;, | internation of the second of |             | - 0          |
| . 7                                   |                 | mRNA sequence                           | . •  | •           |              |
|                                       |                 | /clone=IMAGE:2238378 /clone_end=3'      |  | 20          |              |
|                                       | - 5             | /gb=Al918786 /gi=5638641                |  |             |              |
|                                       |                 | /ug=Hs.212310 /len=459                  |  |             |              |
| 12383                                 | 0.017288        | Saccharomyces cerevisiae                | NC_001144  |             |              |
|                                       |                 | chromosome XII, complete                |  |             |              |
|                                       |                 | chromosome sequence                     |  |             |              |
| 12384                                 | 0.040751        | FLJ31039 fis, clone HSYRA2000221        | AK055601   | Hs.311977   |              |
| 24,57                                 |                 | /cds=UNKNOWN /gb=AK055601               |  |             | <u> </u>     |
|                                       |                 | /gi=16550371 /ug=Hs.311977              |  | -()-        | *            |
|                                       |                 | /len=2770                               |  |             |              |
| 12399                                 | 0.025911        | UI-E-CK1-afh-b-14-0-UI.r1 UI-E-CK1      | BM702699   | Hs.446508   | 7            |
|                                       |                 | cDNA clone UI-E-CK1-afh-b-14-0-UI 5',   |  |             | 0 1 1        |
|                                       |                 | mRNA sequence /clone=UI-E-CK1-afh-      |  |             | 0            |
|                                       | t in the second | b-14-0-UI /clone_end=5'                 |  | . **        | 100          |
| Again 1140                            |                 | /gb=BM702699 /gi=19015957               | 1000 y 4 4 4 4   |             |              |
|                                       |                 | /ug=Hs.446508 /len=1088                 |  |             |              |
| 12412                                 | 2 32F-04        | cDNA / IL3-NT0294-060401-533-D04        | BI041924   |             |              |
| 12412                                 | 2.526-04        | INT0294                                 | D104.1324  | ]           |              |
| 12413                                 | 0.015895        | cDNA FLJ14244 fis, clone                | AK024306   | Hs.397378   | *            |
| 12,10                                 | 3.01000         | OVARC1000802. /gb=AK024306              | 7.1102.1000  | 1.10.00.00  |              |
|                                       |                 | /gi=10436654 /ug=Hs.397378              |  |             |              |
|                                       |                 | /len=1889                               | *  |             |              |
| 12424                                 | 0.000388        | mRNA; cDNA DKFZp564B076 (from           | AL049313   | Hs.21103    | <u> </u>     |
| 12727                                 | - 0.003500      | clone DKFZp564B076) /gb=AL049313        | 712043510  | 113.21100   |              |
|                                       |                 | /gi=4500086 /ug=Hs.21103 /len=2208      |  |             |              |
| 12426                                 | 0.014500        | 602590145F1 NIH MGC 76 cDNA             | BG564169   | Hs.444093   |              |
| 12420                                 | 0.014033        | clone IMAGE:4724074 5', mRNA            | 100304103  | 1113.444000 |              |
| • •                                   |                 | sequence /clone=IMAGE:4724074           |  |             |              |
|                                       | - 8-            | /clone_end=5' /gb=BG564169              |  |             |              |
|                                       | f               | /gi=13571821 /ug=Hs.444093 /len=792     |  | * (         | <b>{</b>     |
|                                       |                 | 1337 1021 7dg=115.444093 /lell=192      |  |             |              |
| 12431                                 | 0.02904         | ESTs, cDNA /gb=AW993259                 | AW993259   | Hs.113105   | <del> </del> |
| 1243 [                                | 0.02001         | /gi=8253410 /ug=Hs.113105 /len=678      | WAAAAA   | 113.113103  |              |
| 12433                                 | 0.047024        | cDNA FLJ14388 fis, clone                | AK027294   | Hs.9812     | 1            |
| 12433                                 | 0.047031        | HEMBA1002716. /gb=AK027294              | ANU21294   | 1 13.30 14  | -            |
|                                       |                 |   | - 10 °   |             |              |
| 10/100                                | 0.047004        | /gi=14041878 /ug=Hs.9812 /len=1673      | AW297946   | Hs.444392   | 1            |
| 12436                                 | 0.047031        | UI-H-BW0-ajn-d-08-0-UI.s1               | AVV29/946  | MS.444392   | 1            |
|                                       |                 | NCI_CGAP_Sub6 cDNA clone                |  |             | 1            |
| • *                                   |                 | IMAGE:2732223 3', mRNA sequence         |  |             | 1            |
|                                       |                 | /clone=IMAGE:2732223 /clone_end=3'      | `}   | 7.00        |              |
|                                       | ]               | /gb=AW297946 /gi=6704582                |  | -}          |              |
|                                       |                 | /ug=Hs.444392 /len=807                  | 2.   |             | L            |

|       |                    | nding To Differentially Expressed Gen |                                       |              | <u> </u>  |
|-------|--------------------|---------------------------------------|---------------------------------------|--------------|-----------|
| Spot  | p-value            | Description                           | Gen                                   | Unigene      | Protein   |
|       |                    |                                       | Acc ssion No.                         | Accession    | Accession |
|       | - 1                |                                       | •                                     | No.          | No.       |
| 12438 | 0.033876           | AV686223 GKC cDNA clone               | AV686223                              | Hs.221642    |           |
|       |                    | GKCGXH11 5', mRNA sequence            |                                       |              |           |
|       |                    | /clone=GKCGXH11 /clone_end=5'         |                                       |              |           |
|       |                    | /gb=AV686223 /gi=10288086             |                                       | , ,          |           |
|       |                    | /ug=Hs.221642 /len=916                |                                       |              | 2         |
| 12474 | 0.024732           | clone RP11-350H1 from 7p14-15,        | AC006195                              | <del> </del> |           |
|       | *                  | complete sequence                     |                                       | - **         |           |
| 12488 | 0.022106           | ESTs, cDNA, 3' end                    | Al356348                              | Hs.369317    |           |
|       |                    | /clone=IMAGE:2028021 /clone_end=3'    |                                       |              |           |
|       |                    | /gb=Al356348 /gi=4107969              |                                       |              |           |
| •     |                    | /ug=Hs.369317 /len=512                |                                       |              | -         |
| 12492 | 0.035213           | ESTs, cDNA, 3' end                    | Al582192                              | Hs.356049    | NP 660327 |
|       | <i>\frac{1}{2}</i> | /clone=IMAGE:2213516 /clone_end=3'    |                                       |              | _         |
|       |                    | /gb=Al582192 /gi=4568089              | 0                                     | 34.4         |           |
|       | 3.50               | /ug=Hs.356049 /len=566                |                                       |              |           |
| 12502 | 0.016299           | QV0-HT0398-210100-096-c03 HT0398      | AW606588                              | Hs.430335    |           |
|       |                    | cDNA, mRNA sequence                   |                                       | 7            |           |
|       |                    | /gb=AW606588 /gi=7311329              |                                       |              |           |
|       |                    | /ug=Hs.430335 /len=621                | , , , , , , , , , , , , , , , , , , , |              |           |
| 12507 | 0.001501           | UI-E-CQ1-acq-b-08-0-UI.r1 UI-E-CQ1    | BM688644                              | Hs.253634    |           |
| •     |                    | cDNA clone UI-E-CQ1-acq-b-08-0-UI     |                                       |              |           |
|       |                    | 5', mRNA sequence /clone=UI-E-CQ1-    |                                       |              |           |
|       | l l e e            | acq-b-08-0-UI /clone_end=5'           |                                       |              |           |
|       |                    | /gb=BM688644 /gi=19001902             |                                       |              | **        |
| : 1   |                    | /ug=Hs.253634 /len=1017               |                                       | g. 7         |           |
| 12511 | 1.53E-04           | clone IMAGE:5215233, mRNA             | BC041467                              | Hs.151570    |           |
|       |                    | /gb=BC041467 /gi=27371097             |                                       |              |           |
|       |                    | /ug=Hs.151570 /len=2043               |                                       |              |           |
| 12513 | 0.020388           | AGENCOURT_8841454                     | BQ924341                              | Hs.442591    |           |
|       |                    | Lupski_sciatic_nerve cDNA clone       | - 100                                 |              |           |
| .:    |                    | IMAGE:6199422 5', mRNA sequence       | • • • • • • •                         | **           | -         |
|       |                    | /clone=IMAGE:6199422 /clone end=5"    |                                       |              |           |
|       | :                  | /gb=BQ924341 /gi=22339372             |                                       |              |           |
|       |                    | /ug=Hs.442591 /len=930                |                                       | 200          |           |
|       | 3                  | * *                                   | *                                     |              |           |
| 12514 | 0.020388           | DCBCQH10 DCB cDNA, mRNA               | BU198777                              | Hs.50273     |           |
| :     | *                  | sequence /gb=BU198777 /gi=22717083    |                                       |              |           |
|       |                    | /ug=Hs.50273 /len=867                 |                                       | ] .          |           |
| 12515 | 0.015895           | stress 70 protein chaperone,          | NM_006948                             | Hs.352341    | NP_008879 |
|       |                    | microsome-associated, 60kDa (STCH),   |                                       |              |           |
|       | P                  | mRNA /cds=(37,1452) /gb=NM_006948     |                                       |              |           |
|       |                    | /gi=24431965 /ug=Hs.352341            | <u> </u>                              |              |           |
|       |                    | /len=3998                             |                                       |              |           |
| 12520 | 0.002893           | EST(Embryonic Heart cDNA Library      | Al617050                              |              |           |
|       |                    | Danio rerio cDNA 5')                  |                                       |              |           |
| 12521 | 0.00168            | EST(Stratagene colon (#937204) Homo   | AA115711                              |              | NP_002731 |
|       |                    | sapiens cDNA clone IMAGE:511532 3'    |                                       |              | - :       |
|       |                    |                                       | l .                                   | 1            |           |

| Genes      | Correspoi | nding To Differentially Expressed Gen                              | es in Figur 20 -                              | RA   |  |
|------------|-----------|--|---|--|--|
|            | p-value   | D scription  | Gene  | Unig ne  | Protein  |
| , "        |           |  | Accession No.                                 | Accession  | Accession  |
|            |           |  |   | No.  | No.  |
| 12528      | 0.029005  | full length insert cDNA clone ZD75H11                              | AF086402                                      | 110.   | NP 055518  |
| 7          |           |  |   |  |  |
| 12539      | 0.017288  | UI-E-CK1-afh-a-18-0-UI.r1 UI-E-CK1                                 | BM702618                                      | Hs.103381  |  |
|            |           | cDNA clone UI-E-CK1-afh-a-18-0-UI 5',                              |   |  | *  |
|            | *         | mRNA sequence /clone=UI-E-CK1-afh-                                 | • .   |  |  |
|            | 7         | a-18-0-UI /clone_end=5'  |   |  |  |
|            |           | /gb=BM702618 /gi=19015876  |   |  |  |
|            |           | /ug=Hs.103381 /len=1069  | . # *   | 3.0  | * .  |
| 12549      | 0.01932   | cDNA FLJ11335 fis, clone   | AK002197                                      | Hs.284270  |  |
| ,          |           | PLACE1010630. /gb=AK002197   |   | . 10.20  |  |
|            |           | /gi=7023924 /ug=Hs.284270 /len=1984                                |   | `  |  |
| - 1.       |           |  |   |  |  |
| 12560      | 0.022106  | cDNA FLJ12136 fis, clone   | AK022198                                      | Hs.168830  |  |
| 1 - 555    | 1         | MAMMA1000312. /gb=AK022198   |   | 1  |  |
|            |           | /gi=10433542 /ug=Hs.168830   |   | • •  |  |
|            |           | /len=1905  |   |  |  |
| 12572      | 0.022106  | EST, clone IMAGE:4151959, mRNA                                     | BC011194                                      | Hs.367863  |  |
| 20,2       | 3.042 100 | /cds=UNKNOWN /gb=BC011194  | DO011134                                      | 113.507.603                                      | 2  |
| 0          |           | /gi=15277441 /ug=Hs.367863   |   |  |  |
|            |           | /len=1842  | *** · . / `                                   | . * .  |  |
| 12573      | 0.006463  | EST(cDNA clone IMAGE:3125123 3')                                   | BE047402                                      |  | NP 002700  |
| 12582      |           | No significant match   | SEQ.ID.No.47                                  | <del>                                     </del> | 141 -002700                                      |
| 12594      |           | No significant match, ORF-1(3~499),-                               | OEQ.ID.110.47                                 |  |  |
| 12004      | 0.020011  | 2(2~499)   | SEQ.ID.No.99                                  | 1  |  |
| 12644      | 0.003563  | EST (RC0-HT0297-301099-011-a06                                     | BE151529                                      | <del></del>                                      | 7  |
| 12044      | 0.003303  | HT0297)  | DE 10 1029                                    |  | h 24   |
| 12647      | 0.030340  | EST(tm39b03.x1 NCI_CGAP_Kid11                                      | Al478484                                      |  |  |
| 12047      | 0.00,0243 | clone IMAGE:2160461.3' contains                                    | MH10404                                       |  |  |
|            | 4 .       | L1.b3 L1 repeat)   | a i wani ii ta                                |  |  |
| 12669      | 0.003947  | hypothetical protein FLJ31438                                      | NM 152385                                     | Hs.24423   | NP_689598  |
| 12003      | 0.003547  | (FLJ31438), mRNA /cds=(347,2107)                                   | 102303 -                                      | 105.24423  | IIAH TOO SOSO                                    |
| 2 * ¥      |           | /gb=NM_152385 /gi=22748824   |   |  |  |
| 4-1        |           | /ug=Hs.24423 /len=2266   |   |  |  |
| 12677      | 0.007171  | hypothetical protein MGC12981                                      | NM_032357                                     | Hs.104203  | NP_115733  |
| 12077      | 0.007171  | (MGC12981), mRNA /cds=(225,767)                                    | 14141_032337                                  | 115.104203                                       | 110733   |
|            |           | /gb=NM_032357 /gi=21362049   |   |  | j  |
|            |           | /ug=Hs.104203 /len=1644  | ,   |  | • •  |
| 12679      | 0.000566  | BX092629 Soares fetal liver spleen                                 | BX092629                                      | He 303033  |  |
| 120/9      | v.00000   | 1NFLS cDNA clone IMAGp998P06398                                    | PV095058                                      | Hs.303022  |  |
|            |           |  | *   | 1.0  | 1 '  |
|            |           | ; IMAGE:205685, mRNA sequence                                      | <b>{</b>                                      | 4.   |  |
| }          |           | /clone=IMAGp998P06398_;_IMAGE:20<br>5685 /gb=BX092629 /gi=27822922 | }·  |  |  |
| İ          |           |  |   |  |  |
| ]          |           | /ug=Hs.303022 /len=735   | j   | 1  |  |
| 10000      | 0.00004   | FCT (CM2 LIT0E20 040200 000 04                                     | DE400070                                      | <del> </del>                                     | <del>                                     </del> |
| 12680      | 0.02801   | EST (CM3-HT0528-010200-086-f04                                     | BE169870                                      | 1  |  |
| Ŀ <u> </u> | L         | HT0528)  | ل <u>ــــــــــــــــــــــــــــــــــــ</u> | <u> </u>   | <u> </u>   |

|              |                | nding To Differentially Expressed Gen                               |   |                | * .               |
|--------------|----------------|---|---|----------------|-------------------|
| Spot         | p-value        | Description   | Gene  | Unigene        | Protein           |
| ٠.           |                |   | Accession No.   | Accession      | Accession         |
| ,            |                |   |   | No.            | No.               |
| 12681        | 0.013394       | chromosome 1 open reading frame 9                                   | NM_016227   | Hs.108636      | NP_057311         |
| 12001        | 0,01000-       | (C1orf9), mRNA /cds=(125,4342)                                      | ,9 , 9 <u></u> ,  | 1.0. 100000    |                   |
|              | tt til jöregij | /gb=NM_016227 /gi=7705321   |   | See a contra S | 43900             |
|              |                |   |   | ٠.,            |                   |
| 40000        | 0.000070       | /ug=Hs.108636 /len=5919   | NINA 040400   | 115 40004      | ND OCOCCO         |
| 12688        | 0.033876       | myxoid liposarcoma associated protein                               | NM_018192   | Hs.42824       | NP_060662         |
|              |                | 4 (MLAT4), mRNA /cds=(199,2325)                                     |   |                | · ·               |
|              |                | /gb=NM_018192 /gi=27764881  |   | ,              |                   |
| ···))        | ******         | /ug=Hs.42824 /len=3396  |   |                | in the second     |
|              |                |   |   |                |                   |
| 12689        | 0.012276       | hypothetical protein MGC3077  | NM_024051   | Hs.433404      | NP_076956         |
| ,            |                | (MGC3077), mRNA /cds=(137,703)                                      |   |                |                   |
| 1            |                | /gb=NM_024051 /gi=13129017  | i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de |                |                   |
|              | 7 7            | /ug=Hs.433404 /len=1195   |   |                |                   |
| 12701        | 0.021          | EST UI-H-BI2-ahq-e-01-0-UI.s1                                       | AW293540  |                | NP 006816         |
|              | 0.02           | NCI CGAP Sub4 cDNA clone  |   | *              |                   |
|              |                | IMAGE:2727648 3'  |   |                |                   |
| 12711        | 0.003563       | EST(ne80b06.s1 NCI_CGAP_Ew1   | AA491607  | -              |                   |
| 12/11        | 0.003303       | `   | A49 1007  |                |                   |
| 40740        | 0.044000       | cDNA clone IMAGE:910547)  | A)A(4,C),400  |                | to see the second |
| 12/12        | 0.011238       | EST(xg51d02.x1 NCI_CGAP_Ut4   | AW150422  |                |                   |
|              |                | cDNA clone IMAGE:2631843 3' similar                                 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | *              | <b>.</b>          |
|              |                | to contains Alu repetitive element)                                 | *   |                | ~                 |
|              |                |   |   |                | * *               |
| 12713        | 0.023945       | EST (QV1-CT0364-120200-065-e11                                      | AW862302  |                |                   |
|              | * .            | CT0364 cDNA)  |   |                |                   |
| 12716        | 0.007807       | EST (601506025F1 NIH_MGC_71   | BE884080  |                | NP_005117         |
| ;            | -              | IMAGE:3907495 5')   |   |                | -                 |
| 12717        | 0.011238       | EST(xx99e02.x1 NCl_CGAP_Lym12                                       | AW515834  |                | NP_387449         |
|              |                | cDNA clone IMAGE 2851802 3' similar                                 |   |                | -                 |
|              |                | to contains Alu repetitive element)                                 | i   |                | 1                 |
|              |                |   | n war die volkyar v   |                |                   |
| 12720        | 0.032636       | mRNA; cDNA DKFZp667O1616 (from                                      | AL713722  | Hs.365655      |                   |
| 12/20        | 0.052050       | clone DKFZp667O1616) /gb=AL713722                                   |   | 113.00000      | * -               |
| ,            |                |   |   |                |                   |
|              |                | /gi=19584452 /ug=Hs.365655<br>//en=1773                             | *   | 111            |                   |
| 40700        | 0.007407       |   | NIN 000040  | 11-0004        | ND OCATOO         |
| 12722        | 0.007107       |   | NM_020213   | Hs.8694        | NP_064599         |
|              |                | 1977056 (LOC56965), mRNA  |   |                |                   |
|              |                | /cds=(609,1358) /gb=NM_020213                                       |   |                |                   |
| *            |                | /gi=9910373 /ug=Hs.8694 /len=2359                                   | 33  |                | :                 |
|              | 1              |   |   |                |                   |
| 12723        | 0.00587        | qw21c02.x1 NCI_CGAP_Ut4 cDNA  | Al290157  | Hs.387096      |                   |
| •            | 1              | clone IMAGE:1991714 3' similar to                                   | (   |                |                   |
|              | 1              | contains Alu repetitive element; contains                           | ·   | ÷              |                   |
|              | •              | •   | 1.  | [              |                   |
|              |                | lelement L1 repetitive element : mRNA                               |   |                |                   |
|              | *              | element L1 repetitive element ;, mRNA sequence /clone=IMAGE:1991714 | ,   |                |                   |
| . 0          | *              | sequence /clone=IMAGE:1991714                                       |   |                |                   |
| . ( <u>)</u> | *              |   |   |                | *                 |

| Genes              | Correspon      | nding To Differentially Expressed Gen     | es in Figure 20 -                               | RA        |                      |
|--------------------|----------------|---|---|-----------|----------------------|
| Spot               | p-value        | Description                               | Gene  | Unigene   | Prot in              |
|                    |                |   | Accession No.                                   | Accession | Accession            |
|                    |                |   |   | No.       | No                   |
| 12724              | 0.03788        | chromatin accessibility complex 1         | NM 017444                                       | Hs.279704 | NP 059140            |
|                    | et.            | (CHRAC1), mRNA /cds=(196,591)             |   | 1.        | -                    |
| *                  | 7              | /gb=NM_017444 /gi=24432041                |   | •         | -) <sub>-</sub> -    |
| -2-                |                | /ug=Hs.279704 /len=2496                   |   |           |                      |
| 12725              | 0.014599       | EST(CM3-BN0151-130400-146-f01_1           | BE008220  |           |                      |
| 12/20              | 0.01,1000      | BN0151)                                   | DE000220  |           |                      |
| 12732              | 0.032636       | mitochondrion, complete genome            | NC 001807                                       |           |                      |
| 12753              |                | EST(ty50b10.x1 NCI_CGAP_Ut2 cDNA          | Al619566  |           |                      |
| 12735              | 0.00007        | clone IMAGE:2282491 3')                   | 710 13000                                       | -         |                      |
| 12754              | 0.007107       | ribosomal protein S24 (RPS24),            | NM 033022                                       | Hs.180450 | NP_148982            |
| 12734              | 0.007 107      | transcript variant 1, mRNA                | 14M_033022                                      | 100430    | 140302               |
| -                  |                | /cds=(38,430) /gb=NM_033022               |   |           |                      |
|                    | F              |   |   |           | ·: *                 |
| 1 1 1 m            | in go seguin i | /gi=14916500 /ug=Hs 180450 /len=537       |   | **        |                      |
| 40700              | 0.042204       | 11111 FOO hat a 24 0 111 a4               | DUC070C4  | 11- 05000 | 100                  |
| 12/03              | 0.013394       | UI-H-FG0-bct-g-21-0-UI.s1                 | BU627064  | Hs.85999  |                      |
| - <u>22</u> - 11-2 | u syman h      | NCI_CGAP_EN1_2 cDNA clone UI-H-           |   |           | for all varies       |
|                    |                | FG0-bct-g-21-0-UI 3', mRNA sequence       | * * *   |           |                      |
|                    |                | /clone=UI-H-FG0-bct-g-21-0-UI             | * *   |           | er (j. 1844) kan ili |
|                    |                | /clone_end=3' /gb=BU627064                |   |           |                      |
| 0_                 |                | /gi=23293278 /ug=Hs.85999 /len=1075       |   | Ì         |                      |
|                    |                | a   |   |           |                      |
| 12767              | 0.030249       | EST (602326911F1 NIH_MGC_91               | BG036175  |           |                      |
|                    |                | IMAGE:4428291 5')                         |   |           |                      |
| 12786              | 0.014599       | hr74d11.x1 NCI_CGAP_Kid11 cDNA            | BF115106  | Hs.318114 | + 1                  |
|                    |                | clone IMAGE:3134229 3' similar to         |   |           |                      |
|                    |                | contains Alu repetitive element; contains |   |           |                      |
|                    |                | element MER15 repetitive element;,        |   |           |                      |
|                    |                | mRNA sequence                             |   |           |                      |
|                    |                | /clone=IMAGE:3134229 /clone_end=3'        |   |           |                      |
|                    |                | /gb=BF115106 /gi=10984582                 |   |           | * *                  |
| , , , , , ,        |                | /ug=Hs.318114 /len=462                    |   |           | , ,                  |
|                    |                |   |   |           |                      |
| 12789              | 0.012276       | EST(UI-H-Bl3-alt-d-10-0-UI.s1             | AW451910  |           | NP_640339            |
|                    |                | NCI_CGAP_Sub5 cDNA clone                  | *   | }         |                      |
|                    |                | IMAGE:3068587 3')                         |   |           |                      |
| 12791              | 0.03788        | EST(qh31d07.x1                            | Al239446  |           |                      |
|                    | <u>.</u>       | Soares_NFL_T_GBC_S1 cDNA clone            |   |           |                      |
| -5                 |                | IMAGE:1846285 3')                         |   |           |                      |
| 12802              | 0.032636       | UI-H-FH1-bfu-h-22-0-UI.s1                 | BU622323  | Hs.406049 |                      |
|                    |                | NCI_CGAP_FH1 cDNA clone UI-H-FH1          |   |           | *                    |
| 111                | :              | bfu-h-22-0-UI 3', mRNA sequence           |   |           | * 00                 |
|                    |                | /clone=UI-H-FH1-bfu-h-22-0-UI             | l   |           |                      |
|                    |                | /clone_end=3' /gb=BU622323                |   |           |                      |
| 1                  | 191            | /gi=23288538 /ug=Hs.406049                |   |           | -                    |
|                    |                | /len=1156                                 |   |           | *                    |
| 12805              | 0.002526       | clone IMAGE:3633225, mRNA                 | BC012758  | Hs.356377 | · · · · · ·          |
| }                  |                | /gb=BC012758 /gi=15706478                 | *   |           | ,**                  |
|                    |                | /ug=Hs.356377 /len=1914                   |   |           |                      |
|                    |                | 1,49-110.000071 /10/1 TO 14               | <del>ــــــــــــــــــــــــــــــــــــ</del> |           | <del></del>          |

| Genes | Correspon | nding To Differentially Expressed Gen                             | es in Figure 20 -   | RA          |   |
|-------|-----------|---|---|-------------|---|
|       |           | Description   | Gene  | Unigen      | Protein                                 |
|       |           |   | Accession No.   | Accession   | Accession                               |
|       |           |   |   | No.         | No.                                     |
| 12808 | 0.020388  | AU159529 THYRO1 cDNA clone  | AU159529  | Hs.331418   | 1,40                                    |
|       |           | THYRO1001913 3', mRNA sequence                                    |   |             |   |
|       |           | /clone=THYRO1001913 /clone_end=3'                                 | · · · · · · · · · · · · ·   |             |   |
| 7     |           | /gb=AU159529 /gi=11021050   | 00  |             |   |
|       |           |   | e   | , .         |   |
| 40047 | 0.000000  | /ug=Hs.331418 /len=582  | ALCOCCTOT   |             |   |
| 12817 | 0.020388  | cDNA FLJ39478 fis, clone  | AK096797  | Hs.372680   |   |
|       |           | PROST2013605. /gb=AK096797  |   |             |   |
| • •   |           | /gi=21756367 /ug=Hs.372680  | . *   | ]           | ļ                                       |
|       |           | /len=2507   |   |             |   |
| 12821 | 0.007807  | BX118777 Soares fetal liver spleen                                | BX118777  | Hs.13911    |   |
| -     | 19        | 1NFLS cDNA clone IMAGp998l20122,                                  | *   |             |   |
|       | ·- ·      | mRNA sequence   |   |             | *                                       |
|       |           | /clone=IMAGp998I20122_;_IMAGE:124                                 |   |             |   |
| • .   |           | 891 /gb=BX118777 /gi=27841377                                     | 11.   |             |   |
|       |           | /ug=Hs.13911 /len=857   | * 1   |             |   |
| 12824 | 0.002602  | ubiquitin-conjugating enzyme E2G 1                                | NM 003342   | Hs.78563    | NP 003333                               |
|       |           | (UBC7 C. elegans) (UBE2G1), mRNA                                  |   | 3           | * A A                                   |
|       |           | /cds=(167,679) /gb=NM_003342                                      |   | (1)         |   |
| *     | [         | /gi=21314607 /ug=Hs.78563 /len=2430                               |   |             |   |
| 1     |           | /gi-2131400/ /ug=113./0303/iei1-2430                              | 10  | · · · · ·   |   |
| 12833 | 0.012204  | cDNA FLJ30547 fis, clone  | AK055109  | Hs.351021   |   |
| 12033 | 0.013394  |   | AKOSSTOS  | HS.351021   |   |
|       |           | BRAWH2001439. /gb=AK055109  |   | · · ·       |   |
| 1     |           | /gi=16549767 /ug=Hs.351021  | . X   | 1 .         | *                                       |
|       |           | /len=1830   |   |             | *                                       |
| 12835 | 0.032636  | AGENCOURT_8856629   | BQ947179  | Hs.356605   |   |
|       | _         | Lupski_sciatic_nerve cDNA clone                                   |   |             | }                                       |
|       |           | IMAGE:6200636 5', mRNA sequence                                   | ¥2  | •           |   |
|       |           | /clone=IMAGE:6200636 /clone_end=5'                                |   | 1           |   |
|       |           | /gb=BQ947179 /gi=22362657   |   | ·           |   |
|       |           | /ug=Hs.356605 /len=1277   |   |             |   |
|       |           |   |   |             |   |
| 12854 | 0.043799  | EST(cDNA clone IMAGE:2281749 3'                                   | AI862212  |             |   |
| 454   |           | similar to contains L1.b1 L1 repetitive                           |   | † ·         |   |
|       |           | element)  | •   | ·           |   |
| 12855 | 0.017288  | UI-E-EJ0-aik-i-20-0-UI.r1 UI-E-EJ0                                | BM727413  | Hs.112619   | * |
|       | 0.01.200  | cDNA clone UI-E-EJ0-aik-i-20-0-UI 5',                             |   |             |   |
|       |           | mRNA seguence /clone=UI-E-EJ0-aik-i-                              |   | - 70        |   |
|       |           | 20-0-UI /clone_end=5' /gb=BM727413                                |   |             |   |
|       |           |   | 0   | ,           |   |
|       | ,         | /gi=19048746 /ug=Hs.112619  | •   |             |   |
| 40057 | 1 505 04  | /len=1667   | D0004050  | <del></del> |   |
| 12857 |           | EST(cDNA clone IMAGE:4413411 5')                                  | BG034856  | 110 407007  |   |
| 12892 | 0.013394  | ESTs, cDNA, 5' end  | AI792925  | Hs.137097   |   |
|       |           | /clone=IMAGE:1554245 /clone_end=5'                                | ]   | J ·         |   |
|       | ,         | /gb=Al792925 /gi=5340641  |   |             |   |
|       |           | /ug=Hs.137097 /len=585  |   |             |   |
| 12894 | 0.003213  | cDNA FLJ38536 fis, clone  | AK095855  | Hs.30089    |   |
| 12094 |           |   | i contract of the contract of |             |   |
| 12094 |           | HCHON2001200. /gb=AK095855  | i   | 1           |   |
| 12094 |           | HCHON2001200. /gb=AK095855<br>/gi=21755199 /ug=Hs.30089 /len=2950 |   |             | *                                       |

|          |              | nding To Differentially Expressed Gen D scription   | Gene                                      | Unig ne     | Protein  |
|----------|--------------|---|---|-------------|--|
| opot     | p value      | × · · · · · · · · · · · · · · · · · · ·   | Accession No.                             | Accession   | Accession  |
|          |              |   | Addeddidii 14d.                           | No.         | No.  |
| 2902     | 0.011238     | ESTs, FLJ25251 fis, clone STM03603  | AK057980                                  | Hs.256801   | 140.   |
| 2002     | 0.011200     | /cds=UNKNOWN /gb=AK057980   |   |             |  |
|          |              | /gi=16553972 /ug=Hs.256801  |   | 100         |  |
|          |              | /len=1727   |   |             |  |
| 2926     | 0.023945     | clone IMAGE:4391558, mRNA   | BC017743                                  | Hs.41407    |  |
| 2020     | 0.020010     | /gb=BC017743 /gi=17389405   | 290                                       |             |  |
|          | ,            | /ug=Hs.41407 /len=2299  |   | ×           |  |
| 2936     | 0.035177     | clone IMAGE:5263531, mRNA   | BC037740                                  | Hs.18016    |  |
| 2000     | 0.000111     | /gb=BC037740 /gi=22902216   | 2. S. 10   |  |
| 8 75     | 4            | /ug=Hs.18016 /len=5036  |   |             |  |
| 2937     | 0.012276     | hypothetical protein MGC45586   | NM 152603                                 | Hs.145473   | NP. 689816                                       |
| 12907    | 0.012270     | (MGC45586), mRNA /cds=(214,2055)  | 11111_102000                              | 1113.140470 |  |
| .0       |              | /gb=NM_152603 /gi=22749238  | h   |             |  |
| . ··     |              | /ug=Hs.145473 /len=2724   |   |             |  |
| 12940    | 0.023045     | cDNA FLJ31626 fis, clone  | AK056188                                  | Hs.375198   | <del> </del>                                     |
| 12940    | 0.023943     | NT2RI2003317. /qb=AK056188  |   | 113.373130  |  |
| • •      |              | /gi=16551523 /ug=Hs.375198  |   |             |  |
|          |              | /len=2041   | 0.0                                       |             | 1 .  |
| 12965    | 0.032636     | UI-H-ED1-axy-n-13-0-UI.s1   | BQ009853                                  | Hs.438790   |  |
| 12900    | Ų.032030<br> | NCI_CGAP_ED1 cDNA clone   | 1009000                                   | 1115,430790 | 00   |
| un in in | :            | IMAGE:5835468 3', mRNA sequence   | 4,5.00                                    | F 4.2       |  |
| ٠        |              | /clone=IMAGE:5835468 /clone_end=3'  |   |             |  |
|          |              | t to the second | 1   |             | -  |
| ;        |              | /gb=BQ009853 /gi=19734754   |   |             | ·  |
|          | 1/4 O        | /ug=Hs 438790 /len=1069   |   |             | 1  |
| 12973    | 0.022045     | ESTs, cDNA, 3' end  | AW009340                                  | Hs.372482   |  |
| 129/3    | 0.023945     | /clone=IMAGE:2504343 /clone end=3'  | MVV009340                                 | ITIS.372402 |  |
|          |              | _   |   |             |  |
|          | ٠. ١         | /gb=AW009340 /gi=5858118  | 1   | *           |  |
| 12075    | 0.000045     | /ug=Hs.372482 /len=490  | AKOOFFOO                                  | Hs.231895   | <del>                                     </del> |
| 12975    | 0.023945     | cDNA FLJ38271 fis, clone  | AK095590                                  | HS.231893   |  |
|          |              | FCBBF3002782, moderately similar to   |   | × X         |  |
|          |              | Leptin receptor. /gb=AK095590   |   |             |  |
|          |              | /gi=21754877 /ug=Hs.231895  |   |             |  |
| 10070    | 0.00000      | /len=2435   | A1 000050                                 | 74000       | · · · · · · · · · · · · · · · · · · ·            |
| 12978    | 0.020388     | mRNA; cDNA DKFZp667G172 (from   | AL832859                                  | Hs.71969    | -  |
|          |              | clone DKFZp667G172) /gb=AL832859  |   |             |  |
|          |              | /gi=21733443 /ug=Hs.71969 /len=3463   |   | }           |  |
| 10007    | 0.000707     | ACENICOURT COSCOR   | DM004070                                  | 110 04004   | <del> </del>                                     |
| 12987    | 0.026797     | AGENCOURT_6653891   | BM924870                                  | Hs.94881    | Ţ  |
|          |              | NIH_MGC_116 cDNA clone  |   |             |  |
|          |              | IMAGE:5761337 5', mRNA sequence   |   |             | 1  |
| 7        |              | /clone=IMAGE:5761337 /clone_end=5'  |   |             |  |
|          |              | /gb=BM924870 /gi=19375249   | 9   |             |  |
|          |              | /ug=Hs.94881 /len=1142  |   | i           | 4  |

| Genes  | Correspoi  | nding To Diff rentially Expressed Gen  | es in Figure 20 -                       |              |                                       |
|--------|------------|--|---|--------------|---------------------------------------|
| Spot   | p-value    | D scription                            | Gene                                    | Unigene      | Protein                               |
|        |            |  | Accession No.                           | Accession    | Accession                             |
|        |            |  |   | No.          | No.                                   |
| 12997  | 0.040751   | UI <sub>7</sub> H-BI2-ahp-c-07-0-UI.s1 | AW293767                                | Hs.437871    |                                       |
|        | 4. 4       | NCI CGAP Sub4 cDNA clone               |   |              | * ()                                  |
| 8.     | 817 1-1    | IMAGE:2727541 3', mRNA sequence        |   |              | * * * * * * * * * * * * * * * * * * * |
|        |            | /clone=IMAGE:2727541 /clone_end=3'     |   |              | •                                     |
|        | 54 2 00.°  | /gb=AW293767./gi=6700403               |   |              | *                                     |
|        |            | /ug=Hs.437871 /len=660                 |   |              |                                       |
| 12998  | 0.002337   | UI-H-EU0-azv-i-13-0-UI.s1              | BQ181732                                | Hs.442187    |                                       |
| 12000  | 0.002001   | NCI_CGAP_Car1 cDNA clone IMAGE:        | 24,002                                  | ]            | Tragation in                          |
|        |            | 5854164 3', mRNA sequence              |   | 7.1          |                                       |
| -      |            | /clone=IMAGE:_5854164 /clone_end=3'    |   |              |                                       |
| 11.00  |            | /gb=BQ181732 /gi=20357224              | * * *                                   |              |                                       |
| •      |            | /ug=Hs.442187 /len=1042                | -5                                      |              |                                       |
|        | :          | /ug-ns.44218/ /len-1042                | * .                                     |              |                                       |
| 12000  | 0.026556   | hunethetical protein El 122440         | NM 173685                               | Hs.344478    | NP 775956                             |
| 12999  | [.0.030330 | hypothetical protein FLJ32440          | INIM_173000                             | 102'244#1.0  | INF_115950                            |
|        |            | (FLJ32440), mRNA /cds=(228,971)        | 4                                       | 1 1          |                                       |
| •      | *          | /gb=NM_173685 /gi=27734760             |   |              |                                       |
| 10001  | 0.00000    | /ug=Hs.344478 /len=1258                | D14000400                               | 11 404000    | ND 047000                             |
| 13004  | 0.002096   | ESTs, cDNA, 5' end                     | BM806490                                | Hs.124839    | NP_647603                             |
|        |            | /clone=IMAGE:5555887 /clone_end=5'     | 7                                       | * * **       | 1                                     |
|        | * '        | /gb=BM806490 /gi=19123313              |   | * (i)        | ~                                     |
|        | 1. 1.      | /ug=Hs.124839 /len=1087                |   |              |                                       |
|        |            |  |   |              |                                       |
| 13005  | 0.012276   | zx55g04.r1                             | AA203502                                | Hs.192991    |                                       |
|        |            | Soares_fetal_liver_spleen_1NFLS_S1     |   | V *          |                                       |
|        |            | cDNA clone IMAGE 446454 5', mRNA       |   |              |                                       |
| *      |            | sequence /clone=IMAGE:446454           |   |              |                                       |
| ** **. |            | /clone_end=5' /gb=AA203502             | • |              |                                       |
|        |            | /gi=1799213 /ug=Hs.192991 /len=952     |   |              |                                       |
| 13008  | 0.007107   | wc41h02.x1 NCI_CGAP_Pr28 cDNA          | AI800041                                | Hs.369733    |                                       |
|        |            | clone IMAGE:2321235 3', mRNA           |   |              |                                       |
|        |            | sequence /clone≈IMAGE:2321235          |   |              |                                       |
|        |            | /clone_end=3' /gb=Al800041             |   |              | 40                                    |
|        | i.,        | /gi=5365513 /ug=Hs.369733 /len=504     |   |              |                                       |
| 13013  | 0.030249   | EST(cDNA clone IMAGE:2542504 3'        | AW057714                                |              |                                       |
|        |            | similar to contains Alu repetitive     |   |              |                                       |
|        |            | element; )                             |   |              | 1                                     |
| 13017  | 0.007807   | BX116697 NCI_CGAP_Co3 cDNA             | BX116697                                | Hs.433643    |                                       |
|        | 4,55       | clone IMAGp998C232238, mRNA            |   | . ,          |                                       |
|        | 1          | sequence                               |   | 1 7          |                                       |
|        |            | /clone=IMAGp998C232238_;_IMAGE:9       |   |              |                                       |
|        |            | 01582 /gb=BX116697 /gi=27840179        |   |              | **                                    |
|        |            | /ug=Hs.433643 /len=682                 | *                                       |              | *                                     |
| 13035  | 0.040070   | clone MGC:16614 IMAGE:4111344,         | BC009313                                | Hs.398884    | -                                     |
| 13033  | 0.049079   |  | Inconso is                              | 11 15.380004 |                                       |
|        | 4          | mRNA, complete cds /cds=(258,998)      |   |              | *                                     |
|        | . '        | /gb=BC009313 /gi=14424569              |   |              |                                       |
|        | 1          | /ug=Hs.373515 /len=2052                |   | 1            |                                       |

| Genes   | Correspoi | nding To Differentially Expressed Gen    | es in Figure 20 -                     | RA                                      |             |
|---------|-----------|--|---------------------------------------|---|-------------|
| Spot    | p-value   | Description                              | Gene                                  | Unigene                                 | Protein     |
|         |           |  | Accession No.                         | Acc ssion                               | Accession   |
|         |           |  |                                       | No.                                     | No.         |
| 13036   | 0.013394  | UI-H-FG1-bgh-I-12-0-UI.s1                | BU624037                              | Hs.416904                               |             |
|         |           | NCI_CGAP_FG1 cDNA clone UI-H-            | .n ·                                  |   | 0           |
| ,       |           | FG1-bgh-I-12-0-UI 3', mRNA sequence      |                                       | *                                       |             |
|         |           | /clone=UI-H-FG1-bgh-I-12-0-UI            |                                       |   |             |
|         |           | /clone_end=3' /gb=BU624037               |                                       | 1 14                                    |             |
|         | 1.0       | /gi=23290252 /ug=Hs.416904               |                                       |   | 8           |
|         |           | /len=1160                                | · · · · · · · · · · · · · · · · · · · |   |             |
| 13040   | 0.010277  | UI-E-EJ1-aji-d-10-0-UI.s1 UI-E-EJ1       | BM684333                              | Hs.17910                                |             |
|         |           | cDNA clone UI-E-EJ1-aji-d-10-0-UI 3',    |                                       | 0. 4                                    |             |
|         |           | mRNA sequence /clone=UI-E-EJ1-aji-d-     | , , , , , , , , , , , , , , , , , , , |   | ***         |
|         |           | 10-0-UI /clone_end=3' /gb=BM684333       |                                       |   |             |
| . *     |           | /gi=18994229 /ug=Hs.17910 /len=1036      |                                       |   |             |
| ,       | ,         |  |                                       |   |             |
| 13046   | 0.017288  | Novel                                    | SEQ.ID.No.12                          |   | - T.        |
|         |           | no significant match                     | SEQ.ID.No.37                          |   |             |
|         |           | No significant match                     | SEQ.ID.No.42                          |   | 1.00        |
| 13069   |           | EST(PM1-HT0422-160300-009-a12            | BE160886                              |   |             |
| T. H.   |           | HT0422 Homo sapiens cDNA, MRNA           | TENTERET                              |   |             |
|         |           | sequence)                                |                                       |   |             |
| 13070   | 0.012276  | mRNA from chromosome 5q31-33             | AF010236                              | Hs.10323                                |             |
|         | 0.0122.0  | region /gb=AF010236 /gi=2707623          | , 0 . 0 . 2 . 3                       | 1.10.70020                              |             |
|         |           | /ug=Hs.10323 /len=1379                   |                                       | * |             |
| 13071   | 0.018784  | cDNA FLJ31079 fis, clone                 | AK055641                              | Hs.350401                               |             |
| 1001.1  | 0.010704  | HSYRA2001595./gb=AK055641                | 7.11.10000                            |   |             |
|         |           | /gi=16550421 /ug=Hs.350401               |                                       |   |             |
| ·       | *         | /len=2188                                |                                       | v                                       |             |
| 13076   | 0.035177  | UI-H-BI1-abw-h-07-0-UI.s1                | AW138111                              | Hs.436560                               |             |
| 10070   | 0.000177  | NCI_CGAP_Sub3 cDNA clone                 | 7.00111                               | 113.400000                              |             |
| z, , .  |           | IMAGE:2713572 3', mRNA sequence          |                                       |   |             |
|         |           | /clone=IMAGE:2713572 /clone_end=3'       |                                       |   |             |
|         | , , , , , | /gb=AW138111 /gi=6142429                 | 4                                     | 1                                       |             |
|         |           | /ug=Hs.436560 /len=800                   |                                       |   |             |
| 13083   | 6.56E-04  | No significant match                     | SEQ.ID.No.31                          |   |             |
|         |           | No significant match                     | SEQ.ID.No.44                          | 1                                       |             |
| 13092   |           | No significant match, ORF-1(155~328)     | OEQ.10.110.44                         |   |             |
| 13032   | 0.02001   | Two significant materi, Orti-1(155-526)  | SEQ.ID.No.81                          |   | }           |
| 13133   | 0.004367  | FLJ33100 fis, clone TRACH2000873         | AK057662                              | Hs.181785                               |             |
| . 10100 | 0.004307  | /cds=UNKNOWN /gb=AK057662                | 7,1007002                             | 113.101703                              | 1           |
| -       |           | /gi=16553426 /ug=Hs.346406               |                                       |   |             |
|         | <b>.</b>  | /g =10333426 /ug=HS.346406<br> /len=2308 |                                       |   |             |
| 13134   | G EGE DA  | sine oculis homeobox 2 (Drosophila)      | NM 016932                             | Hs.101937                               | NP 058628   |
| 13134   | U.50E-04  |  | 14141 0 10932                         | 113.101837                              | 1145_020020 |
|         | *         | (SIX2), mRNA /cds=(283,1158)             |                                       |   | 1           |
| }       |           | /gb=NM_016932 /gi=21314676               | }                                     |   |             |
| 10100   | 0.040070  | /ug=Hs.101937 /len=2141                  | NIM 007040                            | Un 67000                                | ND 034272   |
| 13162   | 0.0122/6  | opioid growth factor receptor (OGFR),    | NM_007346                             | Hs.67896                                | NP_031372   |
|         |           | mRNA /cds=(206,2062)                     | ,                                     |   | -           |
|         |           | /gb=NM_007346 /gi=6671492                |                                       |   |             |
| l       | 1         | /ug=Hs.67896 /len=2423                   | <u> </u>                              | <u> </u>                                | <u> </u>    |

|                     |          | nding To Differentially Expressed Gen    |               |            | Drot :-    |
|---------------------|----------|--|---------------|------------|------------|
| Spot                | p-value  |  | Gene          | Unigene    | Prot in    |
|                     |          | * .                                      | Accession No. | Accession  | Accession  |
|                     |          |  |               | No.        | No.        |
| 13165               | 0.007171 | lymphoid enhancer-binding factor 1       | NM_016269     | Hs.44865   | NP_057353  |
| *                   |          | (LEF1), mRNA /cds=(655,1854)             |               |            |            |
|                     |          | /gb=NM 016269 /gi=19923451               | er sene og i  |            |            |
|                     |          | /ug=Hs.44865 /len=3084                   |               |            |            |
| 13167               | 0.030249 | mannose phosphate isomerase (MPI),       | NM 002435     | Hs.75694   | NP 002426  |
|                     |          | mRNA /cds=(6,1277) /gb=NM_002435         |               |            |            |
|                     |          | /gi=4505234 /ug=Hs.75694 /len=1771       |               |            | *          |
|                     |          | /gr-40002047dg /15.700047dqn /1771       |               | - 1        |            |
| 12168               | 0.004367 | clone IMAGE:4177569, mRNA                | BC016402      | Hs.46736   |            |
| 13100               | 0.004307 |  | DC010402      | 118.40730  |            |
|                     |          | /gb=BC016402 /gi=19116212                |               | A * * *    | , .        |
| 10100               | 0.040754 | /ug=Hs.46736 /len=2243                   | NIN 004600    | 11- 70546  | ND 004670  |
| 13169               | 0.040/51 | ATPase, Ca transporting, plasma          | NM_001682     | Hs.78546   | NP_001673  |
| اد ا<br>ما وغوال ام |          | membrane 1 (ATP2B1), mRNA                | ere espera    |            |            |
| grand in the        | . *      | /cds=(182,3844) /gb=NM_001682            |               |            |            |
| ·                   |          | /gi=4502286 /ug=Hs.78546 /len=4398       |               | Y          |            |
| 13170               | 0.002893 | nucleolar protein family 6 (RNA-         | NM_022917     | Hs.183253  | NP_631981  |
|                     |          | associated) (NOL6), transcript variant   | (v)           |            |            |
|                     |          | alpha, mRNA /cds=(61,3501)               |               |            |            |
|                     |          | /gb=NM_022917 /gi=22212928               |               |            |            |
|                     |          | /ug=Hs.183253 /len=4854                  |               |            |            |
| 13173               | 0.040751 | DEAD/H (Asp-Glu-Ala-Asp/His) box         | NM_004396     | Hs.76053   | NP_004387  |
|                     |          | polypeptide 5 (RNA helicase, 68kDa)      | ×             |            | _          |
| garrani.<br>Kan     |          | (DDX5), mRNA /cds=(171,2015)             |               |            | **         |
|                     |          | /gb=NM_004396 /gi=13514826               |               |            |            |
|                     |          | /ug=Hs.76053 /len=2325                   | *             |            |            |
| 13180               | 0.032636 | F-box only protein 7 (FBXO7), mRNA       | NM_012179     | Hs.5912    | NP 036311  |
| 13100               | 0.002000 | /cds=(281,1849) /gb=NM_012179            | 14111_012173  | 113.0012   | _000011    |
| -                   | . " :    |  |               |            | *          |
| 4240E               | 0.000000 | /gi=15812192 /ug=Hs.5912 /len=2165       | AL 022204     | Lie SEC14E | 1 1101-1   |
| 13105               | 0.020388 | mRNA, cDNA DKFZp667H216 (from            | AL833204      | Hs.356145  |            |
|                     |          | clone DKFZp667H216) /gb=AL833204         |               | *          |            |
|                     |          | /gi=21733834 /ug=Hs.356145               | -             | 7          |            |
| 10                  | 0.000    | /len=3782                                |               |            | ND 445 155 |
| 13186               | 0.002096 | hypothetical protein DC42 (DC42),        | NM_030921     | Hs.72805   | NP_112183  |
| •                   |          | mRNA /cds=(463,771) /gb=NM_030921        |               |            | }          |
|                     |          | /gi=24475707 /ug=Hs.72805 /len=1632      | i. :-         |            |            |
| • .*                |          |  |               |            |            |
| 13193               | 0.005339 | protein phosphatase 2 (formerly 2A),     | NM_002715     | Hs.91773   | NP_002706  |
|                     |          | catalytic subunit, alpha isoform         |               |            |            |
|                     |          | (PPP2CA), mRNA /cds=(210,1139)           | 1             |            |            |
|                     | ,        | /gb=NM_002715 /gi=4506016                |               |            |            |
|                     |          | /ug=Hs.91773 /len=2181                   |               |            |            |
| 13197               | 2.45E-04 | similar to rat nuclear ubiquitous casein | NM 022731     | Hs.118064  | NP 073568  |
|                     |          | kinase 2 (NUCKS), mRNA                   |               |            |            |
|                     | 1        | /cds=(67,558) /gb=NM_022731              |               |            | 1.         |
| ,                   |          |  | ->            | :          | 4          |
|                     |          | /gi=12232386 /ug=Hs.118064               |               |            | 1.         |
| 40400               | 0.044565 | /len=1811                                | NIA 000407    | 11-60470   | ND 004500  |
| 13199               | 0.014599 | HSKM-B protein (HSKM-B), mRNA            | NM_020197     | Hs.66170   | NP_064582  |
|                     |          | /cds=(23,1324) /gb=NM_020197             |               |            |            |
|                     | 1        | /gi=9910273 /ug=Hs.66170 /len=1694       |               | 1          |            |

|  |            | nding To Differentially Expressed Gen                             |               |              |              |
|--|------------|---|---------------|--------------|--------------|
| Spot   | p-value    |   | Gene          | Unigene      | Protein      |
|  | · .        |   | Accession No. | Accession    | Accession    |
| -  |            |   |               | No.          | No.          |
| 13201  | 0.043799   | chromosome 21 open reading frame 7                                | NM 020152     | Hs.41267     | NP_064537    |
|  |            | (C21orf7), mRNA /cds=(130,858)                                    |               |              |              |
|  |            | /gb=NM_020152 /gi=9910145   |               | •= -= -      |              |
|  |            | /ug=Hs.41267 /len=1853  |               |              |              |
| 13203  | 0.040751   | BCL2/adenovirus E1B 19kDa   | NM 004331     | Hs.132955    | NP 004322    |
| 13203  | 0.040751   |   | 14141_004331  | IIIS. 132933 | NF_004322    |
|  | 1 .        | interacting protein 3-like (BNIP3L),                              |               |              |              |
|  |            | mRNA /cds=(83,742) /gb=NM_004331                                  |               | 0)           |              |
|  |            | /gi=4757859 /ug=Hs 132955 /len=1337                               |               |              |              |
|  |            |   |               |              |              |
| 13209  | 0.01932    | zd62d11.s1  | W72877        | Hs.380971    |              |
|  |            | Soares_fetal_heart_NbHH19W cDNA                                   | *             |              | ***          |
|  |            | clone IMAGE:345237 3', mRNA                                       |               |              |              |
| •  |            | sequence /clone=IMAGE:345237                                      |               | 3.0          |              |
|  |            | /clone end=3' /gb=W72877  | *             |              | -            |
|  |            | /gi=1383090 /ug=Hs.380971 /len=588                                |               |              |              |
| 13212  | 0.012526   | hypothetical protein FLJ20060                                     | NM_017645     | Hs.54617     | NP_060115    |
| 13212  | 0.012526   |   | INIVI_U 17043 | ПS.04017     | INP_000113   |
|  |            | (FLJ20060), mRNA /cds=(72,2078)                                   |               | 4 5          | : * .        |
|  |            | /gb=NM_017645 /gi=24431978  |               |              |              |
|  |            | /ug=Hs.54617 /len=2884  |               |              |              |
| 13230  | 0.040751   | ATP-binding cassette, sub-family E                                | NM_002940     | Hs.12013     | NP_002931    |
| /  | 2.7        | (OABP), member 1 (ABCE1), mRNA                                    |               |              |              |
|  |            | /cds=(118,1917) /gb=NM_002940                                     |               | 10.          |              |
|  | 1          | /gi=4506558 /ug=Hs 12013 /len=3568                                |               |              |              |
| 13231  | 0.047031   | hypothetical protein PRO2369                                      | NM 018525     |              |              |
| .0201  |            | (PRO2369), mRNA   | 0.0020        |              |              |
| 13236  | 0.005325   | glutamate receptor, metabotropic 6                                | NM 000843     | Hs.248131    | NP 000834    |
| 13230  | 0.005325   |   | 114141_000043 | 1115.240131  | 111-000034   |
|  |            | (GRM6), mRNA /cds=(179,2812)                                      |               |              |              |
| entropy of the second of the s |            | /gb=NM_000843   |               |              | la service e |
| · • · ·  |            | /gi=6006006/ug=Hs.248131 /len=6122                                |               | 1.1          |              |
| 13237  | 1,0.040751 | KIAA0635 gene product (KIAA0635),                                 | NM_014645     | Hs 185091    | NP_055460    |
| .0   |            | mRNA /cds=(833,3373)  |               |              |              |
|  |            | /gb=NM_014645 /gi=7662215   |               | 100          |              |
|  |            | /ug=Hs.185091 /len=5138   |               |              |              |
| 13245  | 0.029995   | hypothetical protein FLJ20618                                     | NM 017903     | Hs.52184     | NP 060373    |
|  |            | (FLJ20618), mRNA /cds=(319,726)                                   |               |              | _            |
|  |            | /gb=NM 017903 /gi=8923570   | <b>∤</b> ' ;  |              | 1            |
|  |            | /ug=Hs.52184 /len=2213  |               |              | ·            |
| 13247  | 5 70E 04   | phosphoserine phosphatase (PSPH),                                 | NM_004577     | Hs.56407     | NP 004568    |
| 13247  | 5.79E-04   |   | [NIVI_004577  | IDS.30407    | INP_004300   |
|  |            | mRNA /cds=(20,697) /gb=NM_004577                                  |               |              |              |
|  |            | /gi=21614545 /ug=Hs.56407 /len=1432                               |               |              |              |
|  |            |   |               |              | 1            |
| 13278  | 0.007107   | 601660815R1 NIH_MGC_72 cDNA                                       | BE966810      | Hs.336116    | 1            |
|  | <b>.</b>   | clone IMAGE:3915843 3', mRNA                                      |               | *** · · · ·  | 1            |
|  | }          | sequence /clone=IMAGE:3915843                                     |               | 1            |              |
| α,   | · ·        |   |               |              |              |
| · .  |            |   | 1             |              |              |
| · · ·  |            | /clone_end=3' /gb=BE966810<br>/gi=11772610 /ug=Hs.336116 /len=730 |               |              |              |

|  |          | nding To Differentially Expressed Gen  |               |   |           |
|--|----------|--|---------------|---|-----------|
| Spot   | p-value  | D scription  | Gen           | Unig n                                  | Protein   |
|  |          |  | Accession No. | Accession                               | Accession |
|  |          |  |               | No.                                     | No        |
| 13279  | 0.015895 | UI-E-EJ0-ahr-e-11-0-UI.s1 UI-E-EJ0   | BU739063      | Hs.58668                                |           |
| .102.10  | 0.010000 | cDNA clone UI-E-EJ0-ahr-e-11-0-UI 3',  | 50.0000       | 1                                       | · ·       |
| •  |          | the contraction of the contracti |               | 1                                       |           |
|  |          | mRNA sequence /clone=UI-E-EJ0-ahr-   | *             |   | ,         |
| original and the second second second second second second second second second second second second second se |          | e-11-0-UI /clone_end=3' /gb=BU739063   | 8.1           | ( , .                                   |           |
|  |          | /gi=23676884 /ug=Hs.58668 /len=1345  |               |   |           |
|  |          |  |               |   |           |
| 13281  | 0.030249 | cDNA FLJ11379 fis, clone   | AK021441      | Hs.200113                               |           |
|  |          | HEMBA1000469. /gb=AK021441   |               |   |           |
|  |          | /gi=10432627 /ug=Hs.200113   |               |   |           |
|  | i a i    | /len=1672  |               |   |           |
| 10000  | 0.004700 |  | NIM 020000    | 11- 2050                                | ND 440425 |
| 13282  | 0.024/32 | LIS1-interacting protein NUDEL;  | NM_030808     | Hs.3850                                 | NP_110435 |
|  |          | endooligopeptidase A (NUDEL), mRNA   |               |   |           |
|  |          | /cds=(134,1171) /gb=NM_030808  |               |   | <b>j</b>  |
|  |          | /gi=13540599 /ug=Hs.3850 /len=2329   | ·             |   | 3         |
|  |          |  | - 8           |   |           |
| 13284  | 7.63F-04 | FLJ21548 fis, clone COL06252   | AK025201      | Hs.348999                               | NP 068351 |
| .0294  |          | /cds=UNKNOWN /gb=AK025201  |               | 1                                       |           |
| 4  |          |  | **            |   |           |
| 7  |          | /gi=10437665 /ug=Hs.348999   |               |   | -x        |
| · · · · · · · · · · · · · · · · · · ·  |          | /len=2019  |               |   |           |
| 13290  | 0.03788  | cold shock domain protein A (CSDA),  | NM_003651     | Hs.198726                               | NP_003642 |
| ·  |          | mRNA /cds=(195,1313)   | * *           |   | × =       |
|  | · ·      | /gb=NM 003651 /gi=21359983   |               | ** **                                   |           |
|  | ,        | /ug=Hs.198726 /len=1931  | 1             |   |           |
| 13301  | 0.003947 | far upstream element (FUSE) binding  | NM 003902     | Hs.118962                               | NP_003893 |
| 10001  | 0.000347 | protein 1 (FUBP1), mRNA  | 11111_000002  | 113.110002                              | 000000    |
| ل م ح مع   | a.       |  |               |   | 8         |
|  |          | /cds=(27,1961) /gb=NM_003902   | 77.           |   | 1         |
|  | ē.       | /gi=17402899 /ug=Hs.118962′  |               | · · ·                                   |           |
|  |          | /len=2325  | *             |   |           |
| 13307  | 0.033876 | FAD104 (FAD104), mRNA  | NM_022763     | Hs.299883                               | NP_073600 |
|  |          | /cds=(58,3672) /gb=NM_022763   |               |   |           |
|  |          | /gi=27477058 /ug=Hs.299883   | *             |   | " ;       |
|  |          | /len=6894  | ŀ             |   |           |
| 12245  | 0.000000 | partial RANBP7 gene for  | AJ295844      | - · · · · · · · · · · · · · · · · · · · | 20.01     |
| 13315  | 0.002096 |  | MJZ93044      | 1                                       |           |
| i.   |          | RanBP7/importin7 and partial ZNF143  |               |   |           |
|  |          | gene   | ·             |   |           |
| 13316  | 0.005325 | ring finger protein 19 (RNF19), mRNA   | NM_015435     | Hs.48320                                | NP_056250 |
|  |          | /cds=(318,2834) /gb=NM_015435  |               |   |           |
|  | , ,      | /gi=19923421 /ug=Hs.48320 /len=4357  |               | . :                                     |           |
|  | 1        | 1 3 1 1 2 2 3 2 1 7 3 3 1 1 3 1 3 2 2 7 1 3 1 4 3 2 3  |               |   | ]         |
| 13319  | 0.022045 | cDNA FLJ33540 fis, clone   | AKOONSEO      | Hs.21213                                | 1         |
| 13319  | 0.023945 |  | AK090859      | 119.21213                               | 1.        |
|  | ļ.       | BRAMY2007613. /gb=AK090859   | 4             |   |           |
| 92   | 1        | /gi=21749098 /ug=Hs.21213 /len=2030  |               | •                                       | 1         |
|  | <u> </u> |  |               |   | ļ         |
| 13327  | 0.02801  | transcriptional regulator interacting with   | NM 014755     | Hs.77293                                | NP 055570 |
|  |          | the PHS-bromodomain 2 (TRIP-Br2),  |               |   |           |
|  |          | mRNA /cds=(298,1242)   |               |   | * 1       |
|  |          |  |               | }                                       | • () =    |
|  | 1        | /gb=NM_014755 /gi=7661925  |               |   |           |
|  | 1 '      | /ug=Hs.77293 /len=5544   |               |   | 1         |

| Genes        | Correspon         | nding To Differentially Expressed Gen     | es in Figure 20 - | RA             | ·           |
|--------------|-------------------|---|-------------------|----------------|-------------|
| Spot         | p-value           | D scription                               | Gene              | Unigene        | Protein     |
| •            |                   |   | Accession No.     | Accession      | Accession   |
| •            |                   | *   |                   | No.            | No.         |
| 13328        | 0.006463          | E1A binding protein p400, mRNA for        | AB058721          | Hs.306094      | NP 056224   |
|              |                   | KIAA1818 protein, partial cds             |                   |                |             |
|              | - · · · · · · · · | (AB058721.1)                              |                   | FB = 17. (1.7- |             |
| 13337        | 0.018784          | similar to putative (H.sapiens)           | XM_058647         |                |             |
| 15557        | 0.010704          | (LOC122704), mRNA (=AL135998.6)           | XIVI_000041       |                |             |
| 13343        | 0.025011          | hypothetical protein MGC26914             | NM 144976         | Hs.202974      | NP 659413   |
| 13343        | 0.025911          |   | 144970            | 115.202914     | 147_055415  |
|              | 7                 | (MGC26914), mRNA /cds=(148,1809)          | * *               |                | • •         |
|              | . 1               | /gb=NM_144976 /gi=21699059                | <u> </u>          | · ·            |             |
| 3,×          |                   | /ug=Hs.202974 /len=2900                   | 1114 205 200      |                | VID 070070  |
| 13349        | 0.022106          | capillary morphogenesis protein 1         | NM_025103         | Hs.288617      | NP_079379   |
|              | Lan. 25           | (CMG1), mRNA /cds=(620,1927)              |                   |                |             |
| . 3          |                   | /gb=NM_025103 /gi=13376668                |                   | <u>.</u>       |             |
|              |                   | /ug=Hs 288617 /len=1995                   | 1                 | ·              |             |
| 13354        | 9.43E-04          | catenin, beta like 1 (CTNNBL1), mRNA      | NM_030877         | Hs.178576      | NP_110517   |
|              |                   | /cds=(95,1786) /gb=NM_030877              |                   |                |             |
|              |                   | /gi=18644733 /ug=Hs.178576                |                   |                |             |
|              |                   | /len=1900                                 |                   |                |             |
| 13355        | 0.013394          | mRNA; cDNA DKFZp313E1815 (from            | AL833098          | Hs.125031      |             |
| -            |                   | clone DKFZp313E1815) /gb=AL833098         |                   |                |             |
|              | * *               | /gi=21733689 /ug=Hs.125031                |                   | ***            |             |
|              |                   | /len=1937                                 |                   |                |             |
| 13358        | 0.002337          | hypothetical protein MGC17943             | NM 152261         | Hs.106390      | NP 689474   |
| 10000        | 0.00200.          | (MGC17943), mRNA /cds=(214,564)           | 10220             | )              |             |
| >            | * -               | /gb=NM 152261 /gi=22748614                |                   |                |             |
|              |                   | /ug=Hs.106390 /len=3167                   | *                 |                | ·           |
| 13360        | 0.043700          | cDNA FLJ12000 fis, clone                  | AK022062          | Hs.287474      |             |
| 13300        | 0.045799          | HEMBB1001531. /gb=AK022062                | AIROZZOUZ         | 113.201414     |             |
|              |                   | I • • • • • • • • • • • • • • • • • • •   |                   | i (            | , ,         |
|              |                   | /gi=10433382 /ug=Hs.287474                | 1                 |                | 0.0         |
| 10000        | 20507             | /len=2675                                 | NNA 000440        | 11-04570       | ND:040404   |
| 13380        | 0.00587           |   | NM_033416         | Hs.91579       | NP_219484   |
|              | ,                 | PROTEIN ZK795.3 IN CHROMOSOME             |                   |                |             |
| 1 .          |                   | IV (MGC19606), mRNA /cds=(18,893)         |                   |                |             |
|              |                   | /gb=NM_033416 /gi=15529981                | · ·               |                |             |
|              |                   | /ug=Hs.91579 /len=1074                    |                   | · .            | •           |
| 137          |                   |   |                   | ļ              | <del></del> |
| 13382        | 0.017288          | Similar to zinc finger protein 135 (clone | BC040486          | Hs.5621        | *           |
|              |                   | pHZ-17), clone IMAGE:5271431,             |                   |                |             |
|              | -                 | mRNA /gb=BC040486 /gi=26996848            |                   |                |             |
|              |                   | /ug=Hs.5621 /len=4671                     |                   |                |             |
|              |                   |   | ·                 |                |             |
| 13388        | 0.023945          | fos-related antigen DNA, exon 4           | X98050            |                |             |
| 13389        |                   | brain protein 44-like (BRP44L), mRNA      | NM_016098         | Hs.108725      | NP_057182   |
| <del>-</del> |                   | /cds=(123,452) /gb=NM_016098              | -                 | •              | _           |
|              |                   | /gi=7706368 /ug=Hs.108725 /len=988        |                   |                | tel .       |
| 13392        | 0.00393           | hypothetical protein FLJ30162             | NM 152731         | Hs.311163      | NP 689944   |
| ,            | 0.0000            | (FLJ30162), mRNA /cds=(272,841)           |                   | 1              |             |
|              |                   | /gb=NM 152731 /gi=22749448                |                   |                |             |
|              | 8                 |   |                   |                |             |
|              |                   | /ug=Hs.311163 /len=2278                   | <u> </u>          | <u> </u>       | <u> </u>    |

|        |                                       | nding To Differentially Expressed Gen             |               |   |                 |
|--------|---------------------------------------|---|---------------|---|-----------------|
| Spot   | p-value                               | Description                                       | Gene          | Unigene                                 | Protein         |
|        |                                       |   | Accession No. | Accession                               | Accession       |
|        |                                       | ×   | , .           | No.                                     | No.             |
| 13409  | 0.02801                               | EST(tc76d07.x1 Soares_NhHMPu_S1                   | AI383220      |   | NP_006363       |
|        |                                       | clone IMAGE:2070541 3')                           | * 3           | , |                 |
| 13421  | 0.043799                              | EST(zo63g01.s1 Stratagene panCReas                | AA158759      | eta - udan raka 11 ki                   | 1 × 1 × 1 × 1   |
| -      |                                       | (#937208) clone IMAGE:591600 3'                   |               | *=                                      |                 |
|        |                                       | contains Alu repeat)                              | · (\$1        | .:                                      |                 |
| . 7    |                                       |   |               |   | *               |
| 13426  | 0.006463                              | pleckstrin domain containing, family A            | NM_021622     | Hs.287830                               | NP 067635       |
| 10420  | 0.000400                              | (phosphoinositide binding specific)               | 1111_02 1022  | 113.207000                              | _00,000         |
|        |                                       | member 1 (PLEKHA1), mRNA                          |               | *                                       |                 |
| - 00   | · · · · · · · · · · · · · · · · · · · |   |               |   | *               |
|        |                                       | /cds=(67,1281) /gb=NM_021622                      | ****          | 1                                       |                 |
| ٠      |                                       | /gi=11055985 /ug=Hs.287830                        |               |   |                 |
| 72.50  |                                       | /len=1410   |               |   | 115 200740      |
| 13427  | 0.040751                              | EST(zi22h02.s1 Soares fetal liver                 | AA676353      |   | NP_060719       |
| : * .  |                                       | spleen 1NFLS S1 clone 431571 3')                  |               |   | 4               |
| 13441  | 0.040751                              | hypothetical protein FLJ10769                     | NM_018210     | Hs.8083                                 | NP_060680       |
|        |                                       | (FLJ10769), mRNA /cds=(15,1187)                   | -             |   |                 |
|        |                                       | /gb=NM_018210 /gi=8922653                         |               |   |                 |
| 100    |                                       | /ug=Hs.8083 /len=2659                             | _             |   |                 |
| 13453  | 0.023945                              | mesoderm induction early response 1               | NM_020948     | Hs.222746                               | NP_065999       |
| 1      |                                       | (MI-ER1), mRNA /cds=(234,1844)                    |               |   |                 |
|        |                                       | /gb=NM_020948 /gi=24308260                        |               |   |                 |
|        | *                                     | /ug=Hs.222746 /len=4972                           |               |   |                 |
| 13458  | 0.035177                              | EST RC3-HT0470-070100-011-g03_2                   | AW580534      |   | 11 199 19 32 27 |
|        |                                       | HT0470 cDNA                                       |               | *                                       |                 |
| 13468  | 0.001878                              | EST qb30c09.x1                                    | AI095772      | *** *** . * * * *                       | 1.34            |
| 10 100 | 0.00,10.0                             | Soares_pregnant_uterus_NbHPU                      | ,             | 60.1                                    |                 |
| ole *  |                                       | cDNA clone IMAGE:1697776 3'                       |               |   |                 |
| 12476  | 0.035177                              |   | H89172        |   | 1 78. 3. 5.     |
| 13478  |                                       | EST(yw27g01.r1 clone 253488 5')<br>EST(xd92a04.x1 | AW117454      |   | NP_073592       |
| 13476  | 0.002693                              |   | AVV 117454    |   | INP_0/3092      |
| •      | Maria Arman                           | Soares_NFL_T_GBC_S1 clone                         |               | V .                                     |                 |
| 10101  | 0.047000                              | IMAGE:2605038 3')                                 | NIN 040000    | 11. 444407                              | ND :000750      |
| 13484  | 0.017288                              | hypothetical protein FLJ10956                     | NM_018283     | Hs.144407                               | NP_060753       |
|        |                                       | (FLJ10956), mRNA /cds=(181,675)                   |               | ·                                       |                 |
|        |                                       | /gb=NM_018283 /gi=8922791                         | <u>.</u>      |   |                 |
| - 5-   |                                       | /ug=Hs.144407 /len=2022                           |               |   | 1000000         |
| 13510  | 0.004827                              | uncharacterized hematopoietic                     | NM_018466     | Hs.110853                               | NP_060936       |
|        |                                       | stem/progenitor cells protein MDS031              |               |   |                 |
| •      |                                       | (MDS031), mRNA /cds=(35,532)                      |               | ,                                       | •               |
| •      |                                       | /gb=NM_018466 /gi=20070304                        |               |   |                 |
| 1      |                                       | /ug=Hs.110853 /len=1358                           |               |   | <u>i.</u> 10    |
| 13513  | 0.002337                              | EST(PM3-SN0020-270300-001-h08                     | AW865025      |   | NP_115668       |
|        | Į.                                    | SN0020)   |               |   | *               |
| 13519  | 0.047031                              | EST(zr70e01.r1 Soares_NhHMPu_S1                   | AA235432      | 1 - 1 - 1 - 1                           | 1.2             |
|        | 3.5 1, 001                            | cDNA clone IMAGE:668760 5')                       |               |   | \$-             |
|        | <u> </u>                              |   | Al631079      |   | NP 079436       |
| 13520  | 0.003213                              | EST(tz32c11.x1 NCI_CGAP_Ut2 clone                 | TAI6.31079    |   | INP (U/94.3h    |

|                 |          | nding To Differentially Expressed Gen                                    |                    |  |             |
|-----------------|----------|--|--------------------|--|-------------|
| Spot            | p-value  | Description  | Gene               | Unigene  | Protein     |
|                 |          |  | Accession No.      | Accession  | Accession   |
|                 |          | 8"   | 18                 | No.  | No.         |
| 13521           | 0.030249 | RAP2A, member of RAS oncogene  | NM 021033          | Hs.301746  | NP 066361   |
|                 |          | family (RAP2A), mRNA /cds=(18,569)                                       |                    |  |             |
| ì               |          | /gb=NM_021033 /gi=25188202   |                    |  |             |
|                 |          | /ug=Hs.301746 /len=2943  |                    | ,  |             |
| 13530           | 9.43E-04 | synaptic nuclei expressed gene 1   | NM 015293          | Hs.192102  | NP 598411   |
|                 |          | (SYNE-1), transcript variant beta,                                       | 7002.00            | 7.0.702702                                       | 11, _000477 |
|                 | <i>.</i> | mRNA /cds=(121,10086)  | ا به <i>ال</i> ه ا |  |             |
|                 |          | /gb=NM_015293 /gi=19526752   |                    |  | ,           |
|                 |          | /ug=Hs.192102 /len=10742   | ,                  |  | <b>.</b>    |
| 12510           | 0.020200 | EST84415 Colon adenocarcinoma IV   | A A 272 490        |  |             |
|                 |          |  | AA372489           |  |             |
| 13553           | 0.004367 | EST(zw71a05.r1-Soares_testis_NHT   | AA432328           |  |             |
| ina.<br>Ligaçõe |          | cDNA clone IMAGE:781616 5' similar                                       |                    |  | -2          |
| 1000            |          | to contains Alu repetitive element)                                      |                    |  |             |
| 13554           | 0.001459 | cyclin M3 (CNNM3), mRNA  | NM_017623          | Hs.44095   | NP_060093   |
| \$0.            |          | /cds=(99,1247) /gb=NM_017623   |                    |  |             |
|                 | 30       | /gi=20127562 /ug=Hs.44095 /len=2234                                      | , ,                |  |             |
|                 |          |  |                    |  |             |
| 13555           | 0.009388 | hypothetical protein FLJ10700  | NM_018182          | Hs.295909  | NP_060652   |
|                 |          | (FLJ10700), mRNA /cds=(184,1872)   |                    |  |             |
|                 |          | /gb=NM_018182 /gi=8922595  |                    |  |             |
|                 | ٠, ،     | /ug=Hs.295909 /len=3434  |                    |  |             |
| 13561           | 0.015895 | EST (yr44h03.s1 Soares fetal liver                                       | H62537             | <del>*************************************</del> |             |
| - 15            |          | spleen 1NFLS IMAGE:208181)   | . + c mil m        |  | *           |
| 13568           | 0.035177 | clone HQ0477 PRO0477p (LOC51204),  | NM 016360          | Hs.174134  | NP 057444   |
|                 |          | mRNA /cds=(201,1094)   | 1101000            | 110.17 1104                                      |             |
| ٠.              |          | /gb=NM_016360 /gi=27545314   |                    |  |             |
|                 |          | /ug=Hs.174134 /len=1491  |                    |  |             |
| 13569           | 0.011238 | EST (tu41c10.x1 NCI_CGAP_Pr28  | AI686385           |  | 11 11 11    |
| 13303           | 0.011230 | cDNA clone IMAGE:2253618 3' similar                                      | Widoosos           | 0  |             |
| - B. A.         | 1        |  | y:<br>:            |  |             |
|                 |          | to contains Alu repetitive element;)                                     |                    |  |             |
| 13570           | 0.042276 | 601445486F1 NIH MGC 65 cDNA  | DE000054           | 11- 24 4270                                      |             |
| 13570           | 0:012276 |  | BE868854           | Hs.314370  |             |
| -               |          | clone IMAGE:3849740 5', mRNA   |                    |  | *           |
|                 |          | sequence /clone=IMAGE:3849740  |                    | . *  |             |
|                 | ÷        | /clone_end=5' /gb=BE868854   |                    |  |             |
|                 |          | /gi=10317630 /ug=Hs.314370 /len=754                                      |                    |  | }           |
|                 |          |  | ļ                  |  |             |
| 13582           | 0.002893 | mRNA; cDNA DKFZp586M1819 (from   | AL834255           | Hs.355753  | NP_848934   |
|                 | ,        | clone DKFZp586M1819) /cds=(1,795)  | <b>!</b>           |  |             |
|                 |          | /gb=AL834255 /gi=21739805  |                    | 4  | }           |
|                 |          | /ug=Hs.355753 /len=1723  |                    | *  |             |
| 13592           | 0.008566 | hypothetical gene supported by   | XM_074528          |  |             |
|                 |          | XM 074528 (LOC123829), mRNA  | _                  |  | }.          |
| 42500           | 0.007107 | mRNA; cDNA DKFZp313E1012 (from   | AL832661           | Hs.94694   |             |
| 133991          |          | " " " " " " " " " " " " " " " " " " "                                    | 1 .                | 1  |             |
| 13599           |          | clone DKEZp313E1012) /ab=Al 832661                                       | (                  |  |             |
| 13599           |          | clone DKFZp313E1012) /gb=AL832661<br>/gi=21733237 /ug=Hs.94694 /len=3233 |                    |  | * ,         |

|          |   | nding To Differentially Expressed Gen    |               | KA          |             |  |
|----------|---|--|---------------|-------------|-------------|--|
| Spot     | p-value                                 | Description                              | Gen           | Unig ne     | Prot in     |  |
|          | - ,                                     |  | Accession No. | Accession   | Accession   |  |
|          |   | <u> </u>                                 |               | No.         | No.         |  |
| 13600    | 0.006463                                | Cdc42 guanine nucleotide exchange        | NM_015185     | Hs.54697    | NP_056000   |  |
|          |   | factor (GEF) 9 (ARHGEF9), mRNA           |               |             |             |  |
|          | * 1                                     | /cds=(802,2352) /gb=NM_015185            |               | rs          |             |  |
|          |   | /gi=7662107 /ug=Hs.54697 /len=5413       |               |             |             |  |
| 13602    | 0.025011                                | UI-1-BC1p-asi-a-02-0-UI.s1               | BQ011545      | Hs.361171   |             |  |
| 13002    | 0.0233111                               | NCI_CGAP_PI3 cDNA clone UI-1-BC1p        | 1             | 113.501171  |             |  |
|          |   | asi-a-02-0-UI 3', mRNA sequence          |               |             |             |  |
|          |   |  | ٠             |             | ,           |  |
|          | a a                                     | /clone=UI-1-BC1p-asi-a-02-0-UI           |               | • .         |             |  |
| e 4      | Para, Ale                               | /clone_end=3' /gb=BQ011545               |               |             | y in        |  |
|          | 4.44                                    | /gi=19736446 /ug=Hs.361171               |               |             |             |  |
|          |   | /len=1143                                |               |             |             |  |
| 13608    | 0.043799                                | inositol polyphosphate-1-phosphatase     | NM_002194     | Hs.32309    | NP_002185   |  |
|          |   | (INPP1), mRNA /cds=(304,1503)            |               |             |             |  |
|          |   | /gb=NM_002194 /gi=4755138                |               |             | }           |  |
|          |   | /ug=Hs.32309 /len=1682                   |               |             |             |  |
| 13612    | 0.03788                                 | poly(rC) binding protein 2 (PCBP2),      | NM 005016     | Hs.63525    | NP 114366   |  |
|          |   | transcript variant 1, mRNA               |               |             | - T         |  |
| *        |   | /cds=(89,1189) /gb=NM_005016             |               | <b></b>     |             |  |
|          | * | /gi=14141167 /ug=Hs.63525 /len=1362      | * *           |             |             |  |
|          | -                                       | /gi=1414110/ /dg=113.00020/ici1-1002     |               | *           |             |  |
| 13628    | 0.042700                                | hypothetical protein FLJ22378            | NM 025078     | Hs.288284   | NP 079354   |  |
| 19020    | 0.043733                                |  | TAINI_023070  | 1115.200204 | NF_07.3354  |  |
| -        |   | (FLJ22378), mRNA /cds=(52,564)           |               |             |             |  |
|          |   | /gb=NM_025078 /gi=13376629               |               |             | Y.          |  |
| 1222     |   | /ug=Hs.288284 /len=2143                  | 1122 1122     |             | 115 2525 15 |  |
| 13634    | 0.002337                                | non-SMC (structural maintenance of       | NM_145080     | Hs.284295   | NP_659547   |  |
|          | ĺ                                       | chromosomes) element 1 protein           |               |             | •           |  |
|          | ```                                     | (NSE1), mRNA /cds=(24,794)               |               | d           |             |  |
|          |   | /gb=NM_145080 /gi=21489972               | + -           |             |             |  |
|          |   | /ug=Hs 284295 /len=992                   |               |             |             |  |
| 13647    | 0.008677                                | signal transducer and activator of       | NM_139276     | Hs.321677   | NP_644805   |  |
|          |   | transcription 3 (acute-phase response    |               |             |             |  |
| 1 and    | a sea easier                            | factor) (STAT3), transcript variant 1,   |               |             |             |  |
|          |   | mRNA /cds=(241,2553)                     |               |             | ***         |  |
|          | *                                       | /gb=NM_139276 /gi=21618339               | -             | 100         | . 00        |  |
|          |   | /ug=Hs.321677 /len=3455                  |               |             |             |  |
| 13654    | 4 50E 04                                | hypothetical protein LOC92597            | NM_173468     | Hs.31422    | NP 775739   |  |
| 13034    | 4.50E-04                                | (LOC92597), mRNA /cds=(151,801)          | 111111_175400 | 113.01422   | 141 _770700 |  |
| -        | 2.00                                    | I  |               |             |             |  |
|          |   | /gb=NM_173468 /gi=27735028               |               |             |             |  |
| 40070    | 0.0054==                                | /ug=Hs.31422 /len=6956                   | 1111 015000   | 11 007050   | ND 057047   |  |
| 13659    | 0.035177                                | hypothetical protein (HSPC016), mRNA     | NM_015933     | Hs.397853   | NP_057017   |  |
|          | ]                                       | /cds=(39,233) /gb=NM_015933              |               |             | *           |  |
|          | ]                                       | /gi=7705430 /ug=Hs.397853 /len=384       | J             | }           |             |  |
| <u> </u> |   |  |               |             |             |  |
| 13661    | 0.001878                                | KIAA1198 protein, partial cds            | AB033024      | Hs.175475   |             |  |
|          |   | /cds=UNKNOWN /gb=AB033024                |               |             |             |  |
|          | `                                       | /gi=6330393 /ug=Hs.175475 /len=6090      |               | }           |             |  |
|          |   | 9 222 222 23 222 22 22 23 23 23 23 23 23 | 13            | }           |             |  |

| Ge  | n s                                     | Correspoi                               | nding To Differentially Expressed Gen | es in Figur 20 - | RA                                    |                        |
|-----|---|---|---------------------------------------|------------------|---------------------------------------|------------------------|
|     |   |   | D scription                           | Gen              | Unigene                               | Protein                |
| -   |   |   |                                       | Accession No.    | Accession                             | Accession              |
|     |   |   |                                       |                  | No.                                   | No.                    |
| 13  | 681                                     | 0.005325                                | mRNA; cDNA DKFZp547M072 (from         | AL512725         | Hs.300870                             | NP 796375              |
| 1   | •                                       |   | clone DKFZp547M072) /gb=AL512725      |                  |                                       | —                      |
|     |   | e e · · · · · · · · · · · · · · · · · · | /gi=12224868 /ug=Hs.300870            |                  | (*)                                   |                        |
|     | ļ                                       | *                                       | /len=2791                             | 1.2              |                                       |                        |
| 13  | 699                                     | 0.001878                                | KIAA1593 protein, partial cds         | AB046813         | Hs.11123                              | NP 056416              |
|     | ا                                       | 0.001070                                | /cds=UNKNOWN /gb=AB046813             |                  |                                       | 11000 110              |
| 1.  |   | : '                                     | /gi=10047260 /ug=Hs.11123             |                  |                                       |                        |
|     |   | *                                       | (=DKFZP564G092 protein)               |                  |                                       |                        |
| 13  | 700                                     | 0.002096                                | DJ467N11.1 protein, FLJ13127 fis,     | AK023189         | Hs.143917                             | NP_071374              |
| '3  | 100                                     | 0.002030                                | clone NT2RP3002911                    | 7111020100       | 113.140017                            | 141 _0/:10/4           |
| 1   | 1                                       |   | /cds=UNKNOWN /gb=AK023189             |                  |                                       |                        |
|     | 1 8                                     | 42.33                                   | /gi=10435003 /ug=Hs.143917            |                  |                                       | ,                      |
|     | " · . [                                 | and Majorial                            | /len=3073                             |                  |                                       |                        |
| 12  | 713                                     | 0.020005                                | heterogeneous nuclear                 | NM 019597        | Hs.278857                             | NP 062543              |
| 13  | 1,13                                    | ý.028003                                | ribonucleoprotein H2 (H') (HNRPH2),   | 1400 0 13031     | 113.270007                            | 146_005040 "           |
|     | - 1 L                                   | e 1                                     | mRNA /cds=(79,1428) /gb=NM_019597     |                  |                                       | .,                     |
|     | "                                       | ٧                                       |                                       |                  |                                       |                        |
|     |   |   | /gi=14141155 /ug=Hs.278857            |                  | ×                                     |                        |
| 43  | 740                                     | 0.004050                                | /len=2220                             | NINA "04020E     | 110 0440                              | ND 000755              |
| 13  | 716                                     | 0.004358                                | chromosome 15 open reading frame 12   | NIVI_U 18285     | Hs.6118                               | NP_060755              |
|     |   |   | (C15orf12), nuclear gene encoding     |                  |                                       |                        |
|     | : ·                                     |   | mitochondrial protein, mRNA           | 0.00             |                                       |                        |
|     |   |   | /cds=(48,602) /gb=NM_018285           |                  |                                       |                        |
| -   |   |   | /gi=8922793 /ug=Hs.6118 /len=1115     |                  |                                       | ND COCCA               |
| 13  | 739                                     | 0.043799                                | hypothetical protein LOC55580         | NM_017571        | Hs.254122                             | NP_060041 5            |
| 1   | e •                                     |   | (LOC55580), mRNA /cds=(759;2987)      |                  |                                       | 100                    |
|     |   |   | /gb=NM_017571 /gi=8923837             | * *              |                                       |                        |
|     |   | 0                                       | /ug=Hs.254122 /len=3109               |                  | *                                     | 115 20 20 2            |
| 13  | 752                                     | 3.04E-04                                | V-ets erythroblastosis virus E26      | AK001630         | Hs.18063                              | NP_005229              |
|     |   |   | oncogene homolog 1 (avian), cDNA      | on the same      | * /                                   | رو ثابتها              |
| - 4 | / 1                                     | () <b>/</b>                             | FLJ10768 fis, clone NT2RP4000150      |                  |                                       |                        |
|     |   | 1.1                                     | /cds=UNKNOWN /gb=AK001630             |                  |                                       |                        |
|     | -1                                      |   | /gi=7023001 /ug=Hs.18063 /len=2833    |                  | · · · · · · · · · · · · · · · · · · · | 1<br>702 - 22 - 22 - 2 |
| 13  | 771                                     | 0.040751                                | HERV-H LTR-associating 1 (HHLA1),     | NM_005712        | Hs.285026                             | NP_005703              |
| ł   |   | +                                       | mRNA /cds=(899,2065)                  |                  | - 1                                   |                        |
| ١.  |   |   | /gb=NM_005712 /gi=5031738             |                  |                                       |                        |
| _   | لــــــــــــــــــــــــــــــــــــــ |   | /ug=Hs.285026 /len=2290               |                  |                                       | 12.0                   |
| 13  | 789                                     | 0.043799                                | cDNA FLJ31372 fis, clone              | AK055934         | Hs.89388                              |                        |
|     |   |   | NB9N42000281. /gb=AK055934            |                  |                                       |                        |
|     |   | · ·                                     | /gi=16550786 /ug=Hs.89388 /len=2606   |                  |                                       |                        |
| L_  |   | V - 1                                   |                                       |                  |                                       |                        |
| 13  | 790                                     | 0.014599                                | membrane-spanning 4-domains,          | NM_024021 /      | Hs.325960                             | NP_683876              |
|     |   |   | subfamily A, member 4 (MS4A4A),       |                  |                                       | *                      |
| ľ   | •                                       | * *                                     | transcript variant 1, mRNA            | *                |                                       |                        |
| •   |   |   | /cds=(144,806) /gb=NM_024021          | *                |                                       |                        |
| 1   |   |   |                                       |                  |                                       |                        |
|     | ,                                       |   | /gi=20070327 /ug=Hs.325960            |                  | j                                     | ]                      |

|          |          | nding To Differentially Expressed Gen                      |               |            |              |
|----------|----------|--|---------------|------------|--------------|
| Spot     | p-value  | Description  | Gene          | Unigene    | Protein      |
|          | A        | 80 .   | Accession No. | Accession  | Accession    |
|          |          |  |               | No.        | No.          |
| 13793    | 0.02801  | FLJ12671 Hypothetical protein, mRNA;                       | AL096734      | Hs.301904  | NP_112242    |
|          |          | cDNA DKFZp434M011 (from clone                              |               | . 4        | *            |
|          |          | DKFZp434M011) /cds=UNKNOWN                                 |               | y          |              |
|          |          | /gb=AL096734 /gi=5419867                                   | i. • •        |            |              |
|          |          | /ug=Hs.301904 /len=3180                                    |               |            | `            |
|          | *        |  |               |            |              |
| 13794    | 0.03788  | myosin VI (MYO6), mRNA                                     | NM 004999     | Hs.118483  | NP 004990    |
|          |          | /cds=(140,3997) /gb=NM 004999                              |               |            |              |
|          |          | /gi=4826845 /ug=Hs.118483 /len=5212                        |               |            |              |
| -        |          | 3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                    |               |            |              |
| 13795    | 0.030249 | hypothetical protein FLJ21302                              | NM 022901     | Hs.128071  | NP 075052    |
| .0.00    | 0.0002.0 | (FLJ21302), mRNA /cds=(91,1203)                            |               |            |              |
|          |          | /gb=NM_022901 /gi=12597640                                 | ⊕ *           |            |              |
| 1 -0 22  |          | /ug=Hs.128071 /len=3160                                    |               |            |              |
| 13801    | 0.032636 | proteasome (prosome, macropain)                            | NM 002789     | Hs.251531  | NP 002780    |
| 10001    | 0.002000 | subunit, alpha type, 4 (PSMA4), mRNA                       | 14111_002700  | 113.201001 | 111 - 002700 |
| 4        | }        | /cds=(137,922) /gb=NM_002789                               | * **          | y.e        |              |
| :        |          | /gi=23110940 /ug=Hs.251531                                 | ]             | <b>,</b> 4 |              |
| -1<br>-1 |          |  |               | 117        |              |
| 13803    | 0.004402 | /len=1189  | NIM 014900    | Hs.10432   | NP 055714    |
| 13803    | 0.001193 | Rho-related BTB domain containing 3                        | NM_014899     | HS. 10432  | INP_055714   |
| •        | 1 7      | (RHOBTB3), mRNA /cds=(336,2171)                            |               |            |              |
|          |          | /gb=NM_014899 /gi=7662355                                  | · .           |            | İ            |
| 10000    | 0.001005 | /ug=Hs.10432 /len=4099                                     | 1114 000045   | 11 57000   | 115 440477   |
| 13809    | 0.004825 | likely ortholog of mouse limb-bud and                      | NM_030915     | Hs.57209   | NP_112177    |
|          |          | heart gene (LBH), mRNA                                     |               |            | * : -        |
| *        |          | /cds=(213,530) /gb=NM_030915                               |               |            | 1 0          |
|          |          | /gi=13569871 /ug=Hs.57209 /len=2955                        |               |            |              |
|          |          |  |               |            |              |
| 13811    | 0.008566 | hypothetical protein FLJ20360                              | NM_017782     | Hs.26434   | NP_060252    |
| :        | ] .      | (FLJ20360), mRNA /cds=(80,2305)                            |               |            |              |
|          |          | /gb=NM_017782 /gi=8923334                                  |               |            | ,            |
|          |          | /ug=Hs.26434 /len=3041                                     |               |            |              |
| 13827    | 0.032636 | proteasome (prosome, macropain) 26S                        | NM_002802     | Hs.4745    | NP_002793    |
|          | 12.7     | subunit, ATPase, 1 (PSMC1), mRNA                           |               |            |              |
| •        |          | /cds=(49,1371) /gb=NM_002802                               |               |            |              |
|          | ]        | /gi=24430150 /ug=Hs.4745 /len=1586                         |               |            | 1            |
|          |          |  |               |            |              |
| 13839    | 0.043799 | TEA domain family member 1 (SV40                           | AL133574      | Hs.42458   | NP_068780    |
|          |          | transcriptional enhancer factor) mRNA;                     |               | 1.         | - :          |
|          | } .      | cDNA DKFZp434N1435 (from clone                             |               |            |              |
|          | v · ·    | DKFZp434N1435) /cds=UNKNOWN                                | 1             | 1          |              |
| * ,5     |          | /gb=AL133574 /gi=6599153                                   |               |            |              |
| * ,      |          |  | 1             | 1          | 1 .          |
| * ,3     |          |  |               |            |              |
| 13840    | 0.035177 | /ug=Hs.42458 /len=4459                                     | NM 018382     | Hs 272246  | NP 060852    |
| 13840    | 0.035177 | /ug=Hs.42458 /len=4459<br>FLJ11292 (FLJ11292) hypothetical | NM_018382     | Hs.272246  | NP_060852    |
| 13840    | 0.035177 | /ug=Hs.42458 /len=4459                                     | NM_018382     | Hs.272246  | NP_060852    |

| G nes | Correspon              | nding To Differentially Expressed Gen |  |                  |                           |
|-------|------------------------|---------------------------------------|--|------------------|---------------------------|
| Spot  | p-value                | Description                           | Gene                                   | Unigene          | Protein                   |
| •     |                        |                                       | Accession No.                          | Accession<br>No. | Accession No.             |
| 13859 | 0.040751               | BTB domain protein (BDPL) mRNA,       | AF353674                               | Hs.7367          | NP_150374                 |
|       | =                      | partial cds /cds=UNKNOWN              | *                                      |                  |                           |
|       |                        | /gb=AF353674 /gi=13785925             | *-                                     |                  |                           |
|       |                        | /ug=Hs.7367 /len=1887                 | •                                      |                  |                           |
| 13875 | 0.002893               | NME7 (NME7), mRNA /cds=(93,1223)      | NM_013330                              | Hs.274479        | NP_037462                 |
|       |                        | /gb=NM_013330 /gi=7242158             |  |                  |                           |
|       |                        | /ug=Hs.274479 /len=1475               |  | <b>)</b> ,,,     | \                         |
|       |                        |                                       |  |                  | * 1                       |
| 13876 | 0.023945               | AGENCOURT_10227215                    | BU536672                               | Hs.380933        |                           |
| 1     |                        | NIH_MGC_141 cDNA clone                |  | ,                |                           |
|       |                        | IMAGE:6565196 5', mRNA sequence       | -                                      |                  | $\mathbb{N}^{\mathbb{N}}$ |
|       |                        | /clone=IMAGE:6565196 /clone_end=5'    |  | · · · · · ·      |                           |
|       | i                      | /gb=BU536672 /gi=22847113             | 8.0                                    |                  |                           |
|       | a tek ladi<br>Alamatan | /ug=Hs:380933 /len=1275               |  | *                |                           |
|       |                        |                                       |  |                  |                           |
| 13878 | 0.030249               | EST(yr18g03.r1 cDNA clone 205684.5')  | H63006                                 |                  |                           |
| 13910 | 0.011238               | EST(wm16d01.x1 NCI_CGAP_Ut4           | AI887638                               |                  |                           |
|       |                        | cDNA clone IMAGE:2436097 3')          | *                                      | *                |                           |
| 13923 | 0.02801                | mRNA for KIAA1754 protein, partial    | AB051541                               | Hs.28501         | NP_203755                 |
|       |                        | cds. /cds=(32,1816) /gb=AB051541      | *.                                     |                  |                           |
| *     | ]                      | /gi=12698052 /ug=Hs.28501 /len=4088   |  |                  |                           |
|       |                        |                                       |  | ,                |                           |
| 13933 | 0.025911               | EST(qx14c02.x1 NCI_CGAP_Lym12         | Al358712                               |                  |                           |
|       |                        | clone IMAGE:2001314 3' contains Alu   |  |                  |                           |
|       |                        | and MER4 repeat)                      |  |                  |                           |
| 13935 | 0.003213               | CD68 antigen (CD68), mRNA             | NM_001251                              | Hs.246381        | NP_001242                 |
|       |                        | /cds=(16,1080) /gb=NM_001251          |  |                  |                           |
|       |                        | /gi=4557434 /ug=Hs.246381 /len=1722   |  |                  |                           |
|       | <u> </u>               |                                       |  |                  |                           |
| 13947 | 0.04244                | 5'-3' exoribonuclease 2 (XRN2), mRNA  | NM_012255                              | Hs.268555        | NP_036387                 |
|       |                        | /cds=(86,2938) /gb=NM_012255          | tall a fig                             |                  |                           |
|       |                        | /gi=18860915 /ug=Hs.268555            | ************************************** |                  | 1                         |
|       |                        | /len=3445                             |  |                  | 1                         |
| 13950 | 0.002893               | hypothetical protein FLJ10330         | NM_018061                              | Hs.342307        | NP_060531                 |
|       |                        | (FLJ10330), mRNA /cds=(77,1717)       |  |                  |                           |
|       | ,                      | /gb=NM_018061 /gi=8922357             | 1 4                                    |                  |                           |
| 10000 |                        | /ug=Hs.342307 /len=3239               | 144000404                              | 1. 055005        | -                         |
| 13952 | 0:005325               | cDNA FLJ13342 fis, clone              | AK023404                               | Hs.255890        |                           |
|       |                        | OVARC1001950. /gb=AK023404            | *                                      |                  |                           |
|       |                        | /gi=10435328 /úg=Hs.255890            | :                                      | -                |                           |
| ·     | 0.00=                  | /len=2490                             | 1.055555                               | 11. 04000=       | <del> </del>              |
| 13955 | 0.035177               | cDNA FLJ32123 fis, clone              | AK056685                               | Hs.349397        |                           |
|       | ×                      | PEBLM1000174. /gb=AK056685            |  | 1                |                           |
|       |                        | /gi=16552158 /ug=Hs.349397            | φ.                                     |                  |                           |
| -     | ļ                      | /len=2326                             | <u> </u>                               |                  | 4                         |

|        |   | nding To Differentially Expressed Gen   |               |              |              |
|--------|---|---|---------------|--------------|--------------|
| Spot   | p-value                                 | Description                             | Gene          | Unigene      | Protein      |
|        |   |   | Accession No. | Accession    | Accession    |
|        |   |   |               | No.          | No.          |
| 13956  | 0.010277                                | zh79h09.s1                              | W92715        | Hs.59358     |              |
| •      |   | Soares_fetal_liver_spleen_1NFLS_S1      |               |              |              |
|        |   | cDNA clone IMAGE:418337 3', mRNA        |               |              |              |
|        |   | sequence /clone=IMAGE:418337            |               | 1            | 0 .          |
|        |   | /clone_end=3' /gb=W92715                |               | -            | }            |
| ×.     |   | /gi=1421867 /ug=Hs.59358 /len=397       |               |              |              |
| 13973  | 0.021                                   | wd40a10.x1 Soares_NFL_T_GBC_S1          | Al688631      | Hs.224625    | 4.1          |
|        |   | cDNA clone IMAGE:2330586 3', mRNA       |               | * -          |              |
|        |   | sequence /clone=IMAGE:2330586           |               |              |              |
|        |   | /clone_end=3' /gb=Al688631              |               |              | 4 1          |
|        |   | /gi=4899925 /ug=Hs.224625 /len=539      |               |              |              |
|        |   |   |               |              |              |
| 13982  | 0.00587                                 | EST(nv54h12:r1 NCI_CGAP_Ew1             | AA721522      |              |              |
|        | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | cDNA clone IMAGE:1233671)               | 1,000         |              |              |
| 13983  | 0.004825                                | EST(zh93h04.r1                          | AA004789      | <del> </del> |              |
|        | 7.72                                    | Soares_fetal_liver_spleen_1NFLS_S1      | 70.007700     |              |              |
| :      |   | cDNA clone IMAGE:428887 5')             |               |              |              |
| 14011  | 0.01045                                 | tm42d10.x1 NCI_CGAP_Kid11 cDNA          | Al498708      | Hs.170849    |              |
|        | 0.01010                                 | clone IMAGE:2160787 3', mRNA            | 7.117007.00   | 113.170045   | *            |
|        |   | sequence /clone=IMAGE:2160787           |               |              |              |
|        | }                                       | /clone_end=3' /gb=Al498708              |               | ,            | *            |
|        |   | /gi=4390690 /ug=Hs.170849 /len=453      | ,             |              |              |
| 14020  | 0.002337                                | EST (EST385328 MAGE resequences,        | AW973230      |              |              |
| ١٩٥٤٥  | 0.002337                                | MAGM cDNA)                              | AVV973230     |              |              |
| 14021  | 4 50E-04                                | UI-E-EJ0-ahg-j-09-0-UI.r1 UI-E-EJ0      | BM712784      | Hs.278378    | 1            |
| 14021  | 7.500-04                                | cDNA clone UI-E-EJ0-ahg-j-09-0-UI 5',   | DIVIT 12704   | 1118.2/103/0 |              |
|        |   | mRNA sequence /clone=UI-E-EJ0-ahg-      |               |              | *            |
|        |   | jj-09-0-Ul /clone_end=5' /gb=BM712784   |               |              |              |
|        |   | //gi=19026042 /ug=Hs.278378             |               |              |              |
|        | }                                       | /len=1255                               |               | * * *        | *            |
| 14027  | 0.012276                                | 601659091R1 NIH MGC 70 cDNA             | BE965912      | Hs.394354    |              |
| 17027  | 0.012210                                | clone IMAGE:3895678 3', mRNA            | DL900912      | 1115.584554  | -            |
|        |   | sequence /clone=IMAGE:3895678           |               |              |              |
|        | )                                       | /clone_end=3' /gb=BE965912              |               |              |              |
|        |   | /gi=11770773 /ug=Hs.394354              | *             |              |              |
|        |   | /len=1440                               |               |              |              |
| 14032  | 0.012276                                | cDNA sequence (cDNA sequence            | AK021798      |              |              |
| 14032  | 0.012210                                | FLJ11736 fis, clone HEMBA1005468)       | ANU21/90      |              |              |
| 14061  | 6 565 04                                | cDNA FLJ14201 fis, clone                | AV024262      | 115 402002   | <del> </del> |
| 14001  | 0.50⊑-04                                |   | AK024263      | Hs.193063    | at a second  |
| ,      |   | NT2RP3002955. /gb=AK024263              |               | * :          |              |
| 5      |   | /gi=10436597 /ug=Hs.193063<br>/len=4077 |               |              |              |
| 14000  | 0.04070'4                               |   | V74704        | 115 45 4440  | <b> </b>     |
| 14062  | 0.018784                                | P1-Cdc21 mRNA /cds=(1,2774)             | X74794        | Hs.154443    | 1            |
|        |   | /gb=X74794 /gi=683749                   |               |              | 1            |
| 4.4005 | 0.047000                                | /ug=Hs.154443 /len=3273                 | 11101000      | <b></b>      | ļ            |
| 14065  | U.U17288                                | EST (tg92b12.x1 NCI_CGAP_CLL1           | Al401293      |              |              |
|        |   | IMAGE:2116223 3')                       |               |              | 1 :          |

|           |                        | nding To Differentially Expressed Gen  |   | KA   |                  |
|-----------|------------------------|--|---|--|------------------|
| Spot      | p-value                | Description                            | Gene  | Unigene  | Protein          |
|           | *                      |  | Accession No.   | Accession No.                                    | Accession<br>No. |
| 14066     | 0.040751               | cDNA sequence FLJ13663 fis, clone      | AK023725  | 110.   | NP 003817        |
|           |                        | PLACE1011646, highly similar to        |   |  |                  |
|           |                        | H.sapiens clone                        | *   |  |                  |
| 14069     | 0.012276               | EST np77c06.s1 NCI_CGAP_Pr2            | AA622809  |  |                  |
| , , , , , |                        | cDNA clone IMAGE:1132330 similar to    |   | 1  |                  |
|           |                        | contains Alu repetitive element;       |   | *  |                  |
| 14080     | 0.047031               | EST(af08g07.s1 Soares_testis_NHT       | AA610081  |  |                  |
|           |                        | cDNA clone IMAGE:1031100 3')           | * -   |  | )                |
| 14087     | 0.003563               | EST ab74g12.s1 Stratagene fetal retina | AA668159  |  | NP_054767        |
| 1         |                        | 937202 H.sapiens cDNA clone            |   | 100  | 7                |
|           |                        | IMAGE:852742 3'                        |   | *  | · ·              |
| 14092     | 0.005898               | hypothetical protein DKFZp434K1421     | NM 032141   | Hs.374609  | NP 115517        |
|           |                        | (DKFZP434K1421), mRNA                  |   | 4.7  |                  |
| ÷.        |                        | /cds=(29,1705) /gb=NM_032141           | - 1 m   |  | 1                |
|           |                        | /gi=14149806 /ug=Hs.374609             |   |  | i e              |
|           |                        | /len=2547                              |   |  | ,                |
| 14093     | 0.001501               | v-myc myelocytomatosis viral oncogene  | NM 002467   | Hs.79070   | NP 002458        |
| 1947 347  |                        | (avian) (MYC), mRNA /cds=(559,1878)    |   |  |                  |
|           |                        | /gb=NM 002467 /gi=12962934             |   |  |                  |
| • * .     |                        | /ug=Hs.79070 /len=2121                 |   |  | ***              |
|           |                        |  |   |  |                  |
| 14102     | 0.001501               | ribosomal protein L13a (RPL13A),       | NM_012423   | Hs.389335  | NP_036555        |
|           |                        | mRNA /cds=(23,634) /gb=NM_012423       | in i <del>=</del> i e i i i i i i i i i i i i i i i i i |  | <del>-</del>     |
|           |                        | /gi=14591905 /ug=Hs.389335             |   |  | 1.               |
|           | E., 12 -               | /len=1142                              |   | •.   |                  |
| 14105     | 0.004367               | Kruppel-like factor 12 (KLF12),        | NM 007249   | Hs.23510   | NP 057369        |
|           | 10.0                   | transcript variant 1, mRNA             |   |  |                  |
|           |                        | /cds=(199,1407) /gb=NM_007249          |   |  |                  |
|           | 8                      | /gi=21071073:/ug=Hs:23510              |   |  | 4                |
|           |                        | /len=10891                             |   | 3=   | *                |
| 14107     | 0.009388               | 601660660R1 NIH_MGC_72 cDNA            | BE967103  | Hs.394696  |                  |
|           | ۱ ،                    | clone IMAGE:3915686 3', mRNA           |   |  |                  |
|           |                        | sequence /clone=IMAGE:3915686          |   |  |                  |
|           | ,                      | /clone_end=3' /gb=BE967103             |   | 1  |                  |
|           |                        | /gi=11773230 /ug=Hs.394696 /len=842    |   |  | · ·              |
|           |                        | 3                                      |   |  | *                |
| 14108     | 0.001501               | EST (381219 MAGE resequences           | AW969142  |  |                  |
|           |                        | MAGK)                                  |   | <b>.</b>   | (0.0)            |
| 14112     | 0.00587                | BX094467 Soares fetal liver spleen     | BX094467  | Hs.122140  |                  |
|           |                        | 1NFLS cDNA clone IMAGp998J03121,       |   |  |                  |
|           |                        | mRNA sequence                          |   |  |                  |
|           |                        | /clone=IMAGp998J03121_;_IMAGE:12       |   |  |                  |
| (         |                        | 4514 /gb=BX094467 /gi=27827126         |   | 1  |                  |
|           | Ď                      | /ug=Hs.122140 /len=805                 |   | 1  | * *              |
| 14121     | 0.032636               | spindlin-like protein 2 (SPIN2), mRNA  | NM 019003   | Hs.82577   | NP_061876        |
|           | 3.552550               | /cds=(494,1192) /gb=NM_019003          |   |  |                  |
|           |                        | /gi=9506850 /ug=Hs.82577 /len=2483     |   |  |                  |
|           | 0.022626               | EST (zs23c11.r1 NCI_CGAP_GCB1          | AA262101  | <del>                                     </del> | NP_002712        |
| 14127     | 1 (1) (1) 5 / 10 5 7 7 |  |   |  |                  |

|           |          | nding To Differentially Expressed Gen |               |              |  |
|-----------|----------|---------------------------------------|---------------|--------------|--|
| Spot      | p-value  | Description                           | G ne          | Unigene      | Protein  |
| •         |          |                                       | Accession No. | Accession    | Accession  |
|           |          |                                       |               | No.          | No.  |
| 14133     | 0.002893 | ox08a07.x1                            | AI023766      | Hs.434976    |  |
|           | m 2      | Soares_fetal_liver_spleen_1NFLS_S1    |               |              | •  |
|           |          | cDNA clone IMAGE:1655700 3', mRNA     | 3             |              | • •;   |
|           | 1.8      | sequence /clone=IMAGE:1655700         |               |              |  |
|           |          | /clone_end=3' /gb=Al023766            |               |              |  |
|           | :        | /gi=3238810 /ug=Hs.434976 /len=432    |               |              | -  |
| B. (2)    | 10       | /gi-32366 to /ug-115.434976 /ieti-432 | are been      |              | 100  |
| 14134     | 0.022406 | EST (602302386F1 NIH_MGC_87           | BG034307      |              | NP_001943  |
| 14134     | 0.022100 |                                       | DG034307      | * 1          | NP_001943  |
| 4 4 4 6 7 | 0.004007 | cDNA clone IMAGE:4403877.5')          | NINA 004007   | 11- 200000   | ND 00000   |
| 14137     | 0.004367 | ribosomal protein S4, X-linked        | NM_001007     | Hs.389933    | NP_000998  |
|           |          | (RPS4X), mRNA /cds=(36,827)           |               |              | ro e   |
|           | - A.     | /gb=NM_001007 /gi=17981705            |               |              | *  |
| ·         |          | /ug=Hs.389933 /len=916                |               |              |  |
| 14144     | 0.020388 |                                       | AU143964      |              | NP_057535  |
|           |          | HEMBA1000519 3')                      |               | 1 1          |  |
| 14145     |          | mitochondrion, complete genome        | NC_001807     |              | 1.0  |
| 14157     | 0.023945 | EST(ye79b12.r1 Soares fetal liver     | R01617        |              |  |
|           |          | spleen 1NFLS cDNA clone               |               |              |  |
| · , · · · | ,        | IMAGE:123935 5')                      |               |              |  |
| 14161     | 0.039408 | EST (RC3-HT0600-130400-013-h06        | BE178244      | 7 7 7        | 100  |
| , ,       |          | HT0600)                               |               | * *          |  |
| 14168     | 0.040751 | 7j81h05.x1                            | BF055560      | Hs.298968    | The second second                                |
|           | 0.010.0. | Soares NSF F8 9W OT_PA_P_S1           | 0.00000       |              | *  |
| ·         |          | cDNA clone IMAGE:3392889 3', mRNA     |               | *            | ļ  |
|           | ų.       | sequence /clone=IMAGE:3392889         |               |              |  |
|           |          | /clone_end=3' /gb=BF055560            |               | *            |  |
|           |          |                                       |               | ,            | · · · ·  |
|           |          | /gi=10809456 /ug=Hs 298968 /len=506   |               | - (C)        |  |
|           |          |                                       |               |              |  |
| 4 4 4 7 0 | 0.00507  | FOT ( MOLOO A NOLOOAD DA              | A 670047      | <u> </u>     |  |
| 14170     | 0.00587  | EST (nf20b09.s1 NCI_CGAP_Pr1          | AA572847      |              |  |
| 1117      |          | cDNA clone IMAGE:914297)              |               |              | <del> </del>                                     |
| 14171     | 0.010277 | nz80g08.s1 NCI_CGAP_GCB1 cDNA         | AA767226      | Hs.368058    |  |
|           |          | clone IMAGE: 1301822 3', mRNA         |               |              |  |
|           | 1        | sequence /clone=IMAGE:1301822         |               |              |  |
|           |          | /clone_end=3' /gb=AA767226            | }             | }            |  |
|           |          | /gi=2818241 /ug=Hs.368058 /len=542    |               |              | <u> </u>   |
| 14174     | 0.001501 | mitochondrion, complete genome        | NC_001807     |              |  |
| 14175     | 5.58E-05 | ribosomal protein, large, P1 (RPLP1), | NM_001003     | Hs.424299    | NP_000994  |
|           |          | mRNA /cds=(130,474) /gb=NM_001003     | •             |              | -  |
| 8 - 35    | 1        | /gi=16905511 /ug=Hs.424299 /len=512   |               |              |  |
| • .       |          |                                       |               | }            |  |
| 1417.7    | 0.014946 | hypothetical protein BC008207         | NM 138386     | Hs.267130    | NP 612395  |
|           |          | (LOC92345), mRNA /cds=(195,1679)      |               |              |  |
|           | 2. 2.    | /gb=NM 138386 /gi=19923910            |               | 1            | 1  |
|           |          | /ug=Hs.267130 /len=1919               | 1             | 1            |  |
| 14494     | 0.00160  |                                       | AI055712      | <del> </del> | <del>                                     </del> |
| 14184     |          | EST(clone IMAGE:2509657 3')           | Al955713      |              | <del>}</del>                                     |
| 14186     | 0.040747 | EST (QV2-HT0577-090500-212-f02        | BE175330      |              | 1  |
|           | L        | HT0577 cDNA)                          | <u> </u>      | l            | L  |

| Genes | Correspoi | nding To Differentially Expressed Gen | es in Figure 20 -      | RA          |                                       |
|-------|-----------|---------------------------------------|------------------------|-------------|---------------------------------------|
|       | p-value   | Description                           | Gene                   | Unigene     | Protein                               |
|       |           |                                       | Accession No.          | Accession   | Accession                             |
|       |           |                                       |                        | No.         | No.                                   |
| 14187 | 0.003213  | EST(RC5-HT0581-210300-021-B05         | BE175638               |             |                                       |
|       |           | HT0581)                               |                        |             | · · · · · · · · · · · · · · · · · · · |
| 14199 | 0.014599  | EST(HS-1029-A1-B05-MF.abi CIT         | B35426                 |             | Atom to de the                        |
|       | ,         | Genomic Sperm Library C genomic       |                        |             |                                       |
|       |           | clone)                                |                        |             |                                       |
| 14205 | 0.007107  | hypothetical protein DKFZp761B1514    | NM_032288              | Hs.177537   | NP 115664                             |
|       |           | (DKFZp761B1514), mRNA                 | ·                      | *           | <del>-</del>                          |
|       |           | /cds=(73,1029) /gb=NM_032288          | 1.000                  |             |                                       |
|       |           | /gi=14150032 /ug=Hs.177537            |                        | - 2, A      |                                       |
|       |           | /len=3453                             |                        |             |                                       |
| 14209 | 0.020388  | BX109160 Soares_NhHMPu_S1 cDNA        | BX109160               | Hs.308982   | 1                                     |
|       | K         | clone IMAGp998H024744, mRNA           |                        |             |                                       |
|       |           | sequence                              |                        |             |                                       |
| 1.7   |           | /clone=IMAGp998H024744; IMAGE:1       |                        | am I        |                                       |
|       |           | 933489 /gb=BX109160 /gi=27877586      |                        |             |                                       |
| - 11  |           | /ug=Hs.308982 /len=483                | , T                    |             |                                       |
| 14217 | 0.04244   | similar to CG3714 gene product        | NM 145201              | Hs.333388   | NP 660202                             |
| 9     |           | (PP3856), mRNA /cds=(697,1098)        | _                      |             |                                       |
| -     |           | /gb=NM_145201 /gi=24475828            |                        |             |                                       |
|       |           | /ug=Hs.333388 /len=1198               |                        |             |                                       |
| 14219 | 0.014599  | cDNA FLJ37978 fis, clone              | AK095297               | Hs.381207   |                                       |
|       |           | CTONG2010348. /gb=AK095297            |                        |             |                                       |
|       |           | /gi=21754529 /ug=Hs.381207            |                        |             |                                       |
|       |           | /len=3284                             |                        |             |                                       |
| 14225 | 0.02801   | clone 23933 mRNA sequence             | U79273                 | Hs.239483   |                                       |
|       |           | /gb=U79273 /gi=1710239                |                        | 1           | , ,                                   |
|       |           | /ug=Hs.239483 /len=1440               | *                      |             |                                       |
| 14229 | 7.41E-04  | EST(cDNA clone IMAGE:4705591 5')      | BG574776               |             | NP 060713                             |
| 14230 |           | mRNA; cDNA DKFZp313K1012 (from        | AL832666               | Hs.99480    |                                       |
|       |           | clone DKFZp313K1012) /gb=AL832666     |                        |             |                                       |
|       |           | /gi=21733242 /ug=Hs.99480 /len=3759   |                        | 1           |                                       |
|       |           |                                       |                        |             |                                       |
| 14238 | 0.047031  | UI-H-BI3-akh-b-10-0-UI.s1             | AW449245               | Hs.438347   |                                       |
| •     |           | NCI_CGAP_Sub5 cDNA clone              |                        |             |                                       |
| -     |           | IMAGE:2734051 3', mRNA sequence       |                        |             |                                       |
|       |           | /clone=IMAGE:2734051 /clone_end=3     |                        |             |                                       |
|       |           | /gb=AW449245 /gi=6990021              | <u> </u>               |             | 1                                     |
|       |           | /ug=Hs.438347 /len=707                |                        | 00          |                                       |
| 14243 | 0.003947  | cDNA FLJ36574 fis, clone              | AK093893               | Hs.356595   |                                       |
|       |           | TRACH2012376. /gb=AK093893            |                        |             | 1                                     |
|       | 1         | /gi=21752845 /ug=Hs.356595            | <i>\$</i>              | 1:          | 1                                     |
|       | - 77      | /len=1952                             |                        | 0           |                                       |
| 14244 | 0.010277  | cDNA FLJ11946 fis, clone              | AK022008               | Hs.323231   | <u> </u>                              |
|       |           | HEMBB1000709. /gb=AK022008            | 1                      |             |                                       |
|       | . *       | /gi=10433321 /ug=Hs.323231            |                        |             | , 3                                   |
|       |           | /len=3241                             |                        | 1           | 1. "                                  |
|       | جب بليج ب | <u> </u>                              | حروب والمراجع والمراجع | <del></del> | <del>,</del>                          |

| <u>Genes</u> | Correspo    | nding To Differentially Expressed Gen   |                       | RA                   | ·                           |
|--------------|-------------|---|-----------------------|----------------------|-----------------------------|
| Spot         | p-value     | Description                             | Gene<br>Accession No. | Unigene<br>Accession | Protein<br>Accession<br>No. |
| 14245        | 0.017288    | hypothetical protein FLJ32894           | NM_144667             | No.<br>Hs.350668     | NP_653268                   |
| 14243        | 0.017200    | (FLJ32894), mRNA /cds=(50,550)          | NIVI_144007           | 1115.330000          | INF_033200                  |
|              |             | /gb≋NM_144667 /gi=21389550              |                       |                      | * +++ ()+ ()=               |
| ,            |             |   |                       | : .                  | <b>}</b> .                  |
| 44040        | 0.00004     | /ug=Hs.350668 /len=1710                 | NC 001807             | <del></del>          | <u> </u>                    |
| 14249        |             | mitochondrion, complete genome          |                       | U- 455700            | }                           |
| 14253        | 0.001062    | BX099231                                | BX099231              | Hs.155766            |                             |
| 2            | 1 .         | Soares_total_fetus_Nb2HF8_9w cDNA       |                       |                      |                             |
|              |             | clone IMAGp998J031903, mRNA             |                       |                      |                             |
|              |             | sequence                                | 8                     | 1                    |                             |
| . , .        |             | /clone=IMAGp998J031903_,_IMAGE:7        |                       |                      |                             |
| 12           |             | 73090 /gb=BX099231 /gi=27843988         | *                     |                      |                             |
| <del> </del> | *           | /ug=Hs.155766 /len=766                  |                       |                      | ·                           |
| 14255        | 0.02801     | EST wt25d05.x1 NCI_CGAP_Ut1             | AI962961              |                      |                             |
|              |             | cDNA clone IMAGE:2508489 3' similar     |                       |                      |                             |
|              | {           | to contains Alu repetitive              |                       | 1                    | }                           |
|              |             | element;contains L1.t1 L1 repetitive    |                       |                      |                             |
|              |             | element;                                |                       |                      | y X                         |
| 14262        | 0.014599    | mRNA for KIAA1965 protein.              | AB075845              | Hs.71730             |                             |
|              |             | /cds=(1,1699) /gb=AB075845              |                       |                      |                             |
| 4            |             | /gi=18916817 /ug=Hs.71730 /len=4299     |                       |                      | <b>\</b>                    |
|              |             |   |                       |                      |                             |
| 14263        | 0.018784    | mRNA, cDNA DKFZp451M2119 (from          | AL833088              | Hs.313295            |                             |
| *            |             | clone DKFZp451M2119) /gb=AL833088       | * .                   |                      |                             |
|              |             | /gi=21733679 /ug=Hs.313295              |                       |                      |                             |
|              |             | /len=5234                               |                       |                      |                             |
| 14269        | 0.005325    | ESTs, cDNA, 5' end                      | BE745453              | Hs.133213            |                             |
|              |             | /clone=IMAGE:3928684 /clone_end=5'      | }                     |                      |                             |
|              | - 4         | /gb=BE745453 /gi=10159445               | ( )                   |                      |                             |
|              |             | /ug=Hs.133213 /len=1196                 |                       | · .                  |                             |
| 4            |             |   |                       |                      | {                           |
| 14270        | 0.023945    | clone FLC0593 /cds=UNKNOWN              | AF113701              | Hs.346911            | NP 000974                   |
|              |             | /gb=AF113701 /gi=6855635                |                       |                      |                             |
| 1            | 1           | /ug=Hs.346911 /len=1562                 |                       |                      | 8                           |
| 14272        | 0.001193    | nuclear protein double minute 1         | NM_017440             | Hs.12871             | NP_064513                   |
|              |             | (MDM1), mRNA /cds=(93,2237)             | _                     | 1                    |                             |
|              |             | /gb=NM_017440 /gi=24586654              | l                     | {                    | İ                           |
|              |             | /ug=Hs.12871 /len=2942                  |                       | 1                    |                             |
| 14279        | 0.004825    | AL535026 LTI_FL013_FBrn1 cDNA           | AL535026              | Hs.268474            | <del> </del>                |
|              | 1 5.55.1520 | clone CS0DF007YJ21 3 prime, mRNA        |                       |                      |                             |
|              |             | sequence /clone=CS0DF007YJ21            | 7                     | 1 .                  |                             |
|              |             | /clone_end=3' /gb=AL535026              |                       | 1                    |                             |
| <u>.</u>     |             | /gi=12798519 /ug=Hs.268474 /len=921     | 1 0                   |                      | 1                           |
|              |             | rgi- 121300 13 /ug-115.200414 /iei1-921 |                       |                      |                             |
| 14282        | 0.002047    | EST(NIH_MGC_77 cDNA clone               | BG541966              | <del> </del>         | <del> </del>                |
| 14202        | 0.003947    | , , <del>,</del> –                      | DG24 1900             |                      |                             |
|              | L           | IMAGE:4694104 5')                       | L                     |                      |                             |

|        | p-value    | nding To Differentially Expressed G n<br>Description             | Gene   | Unigen                  | Protein    |  |
|--------|------------|--|--|-------------------------|------------|--|
| Shor   | p-value    | Description  | · ·  |                         |            |  |
|        | 811        |  | Accession No.  | Accession               | Accession  |  |
| 4202   | 0.044220   | FCT- aDNA 51 and Johnne Cl CCCC04                                | AV/720202  | <b>No.</b><br>Hs.293568 | No.        |  |
| 14283  | 0.011238   | ESTs, cDNA; 5' end /clone=GLCCSC04                               | AV720392   | HS.293568               |            |  |
|        |            | /clone_end=5' /gb=AV720392                                       | * * * 1  |                         |            |  |
|        |            | /gi=10817544 /ug=Hs.293568 (=ESTs,                               |  |                         | ٠          |  |
|        | * )        | Weakly similar to AF116721 112                                   |  |                         |            |  |
|        | 7.005.05   | PRO2738)   | NIA 450000   | 07440                   | ND 000 105 |  |
| 14284  | 7.39E-05   | hypothetical protein FLJ23751                                    | NM_152282  | Hs.37443                | NP_689495  |  |
|        |            | (FLJ23751), mRNA /cds=(121,1563)                                 |  |                         |            |  |
| · !    |            | /gb=NM_152282 /gi=22748648                                       |  | 5 5                     | ,          |  |
|        | <u>.</u> : | /ug=Hs.37443 /len=2994   |  |                         |            |  |
| 14285  | 0.035177   | clone IMAGE:4817835, mRNA, partial                               | BC040679   | Hs.21349                |            |  |
|        |            | cds /cds=(1,636) /gb=BC040679                                    | and the same of th |                         |            |  |
|        |            | /gi=26251822 /ug=Hs.21349 /len=3331                              |  |                         | 1.0        |  |
|        |            |  |  |                         |            |  |
| 14286  | 0.003183   | mRNA; cDNA DKFZp434J214 (from                                    | AL080156   | Hs.12813                | NP_056323  |  |
|        |            | clone DKFZp434J214); partial cds                                 |  | *                       | ٠.         |  |
|        | - 0        | /cds=(1,1082) /gb=AL080156                                       |  |                         |            |  |
|        |            | /gi=5262614 /ug=Hs.12813 /len=2749                               |  |                         |            |  |
| 14288  | 0.001339   | small acidic protein (SMAP), mRNA                                | NM_014267  | Hs.78050                | NP_055082  |  |
| - 30   | *          | /cds=(137,688) /gb=NM_014267                                     | *  | }                       |            |  |
|        |            | /gi=20070245 /ug=Hs.78050 /len=1504                              |  |                         |            |  |
| •      |            |  |  |                         |            |  |
| 14298  | 0.025911   | AGENCOURT_8228579  | BQ893981   | Hs.71719                |            |  |
|        |            | Lupski_dorsal_root_ganglion cDNA                                 |  |                         | ·          |  |
| 1      | 100        | clone IMAGE:6181947 5', mRNA                                     |  |                         |            |  |
|        | S 15       | sequence /clone=IMAGE:6181947                                    |  |                         | 1          |  |
|        | 1 -        | /clone_end=5' /gb=BQ893981                                       |  |                         | ( )        |  |
|        | , _ ·      | /gi=22285995 /ug=Hs.71719 /len=969                               |  |                         |            |  |
| 14299  | 0.003563   | cDNA FLJ12106 fis, clone   | AK022168   | Hs.296699               |            |  |
| •      |            | HEMBB1002702. /gb=AK022168                                       |  |                         | . *        |  |
| ,      | ]          | /gi=10433503 /ug=Hs.296699                                       |  |                         |            |  |
| 1 -    |            | /len=2268  |  |                         |            |  |
| 14303  | 0.023945   | CDC26 subunit of anaphase promoting                              | NM 139286  | Hs.3991                 | NP 644815  |  |
|        |            | complex (CDC26), mRNA  |  |                         |            |  |
| •      |            | /cds=(360,617) /gb=NM_139286                                     |  |                         |            |  |
|        |            | /gi=22027503 /ug=Hs.3991 /len=885                                | are a  |                         |            |  |
| 14304  | 0.002337   | cDNA: FLJ23111 fis, clone LNG07835.                              | AK026764   | Hs.268231               | -          |  |
| . 1001 | 0.002,007  | /gb=AK026764 /gi=10439690  | 111025701  | 110.20020               |            |  |
|        | 20         | /ug=Hs.268231 /len=2263  | *  |                         |            |  |
|        |            | //dg=113.200231 //en=2203  |  |                         | 20_        |  |
| 14305  | 0.00388    | hh32h11.x1 NCI_CGAP_Lu24 cDNA                                    | AW615336   | Hs.281215               |            |  |
| 14300  | 0.009366   | Iclone IMAGE:2956869 3', mRNA                                    | 17440 19330  | 113.201213              |            |  |
| 19     |            |  |  |                         | 7 1        |  |
| •      |            | sequence /clone=IMAGE:2956869                                    | ]  |                         |            |  |
|        | i          | /clone_end=3' /gb=AW615336<br>/gi=7320522 /ug=Hs.281215 /len=391 | · ·  | · .,                    | ľ          |  |
|        |            |  |  |                         |            |  |

|                          |               | nding To Differentially Expressed Gen |               |               |                |
|--------------------------|---------------|---------------------------------------|---------------|---------------|----------------|
| Spot                     | p-value       | Description                           | Gene          | Unigene       | Protein        |
|                          | -             |                                       | Accession No. | Accession     | Accession      |
|                          |               |                                       |               | No.           | No.            |
| 14309                    | 0.004367      | wk71e10.x1 NCI CGAP Pan1 cDNA         | Al815141      | Hs.230542     |                |
|                          |               | clone IMAGE:2420874 3', mRNA          |               |               |                |
|                          |               | sequence /clone=IMAGE:2420874         |               |               |                |
| . 1                      |               | /clone_end=3' /gb=Al815141            |               |               |                |
|                          |               | , <del>-</del>                        |               |               |                |
|                          | 0.0000        | /gi=5426356 /ug=Hs.230542 /len=357    | 4) (50556     |               |                |
| 14316                    | 0.03788       | AV737736 CB cDNA clone CBLAAD01       | AV737736      | Hs.258992     | \              |
|                          |               | 5', mRNA sequence /clone=CBLAAD01     |               |               |                |
|                          | i j           | /clone_end=5' /gb=AV737736            |               |               |                |
|                          |               | /gi=10855317 /ug=Hs.258992 /len=326   |               | t ,           |                |
| 4                        |               |                                       |               |               |                |
| 14322                    | 0.047031      | clone IMAGE:4297077, mRNA             | BC017920      | Hs.375771     |                |
|                          | 100           | /gb=BC017920 /gi=17389820             |               |               |                |
|                          |               | /ug=Hs.375771 /len=1247               |               |               |                |
| 14335                    | 5 11F-04      | EST(clone ADBAOB04 5')                | AV705982      |               | NP 006633      |
| 14340                    |               | EST(cDNA clone IMAGE:2112249 3'       | Al425068      |               | NP_008869      |
| , <del>, , , , , ,</del> | 0.004020      |                                       | ALTEUUUO      |               | โเสน-ไกกดอดลิ้ |
|                          |               | similar to gb:J03798 AUTOANTIGEN      |               |               |                |
|                          | an ja sjá     | SMALL NUCLEAR                         |               |               |                |
|                          |               | RIBONUCLEOPROTEIN SM-D1)              |               |               |                |
| 14342                    | 0.002602      | mRNA; cDNA DKFZp586F1418 (from        | AL833819      | Hs.296356     |                |
| ,<br>.s'                 |               | clone DKFZp586F1418) /gb=AL833819     | 1 × 8         |               |                |
|                          |               | /gi=21739144 /ug=Hs.296356            |               |               | × .            |
| ···                      |               | /len=4355                             |               |               |                |
| 14346                    | 0.043799      | cDNA clone CBLAPH08 5'                | AV739829      | 7 <del></del> | 7.0            |
|                          |               | clone IMAGE:4704474, mRNA             | BC020895      | Hs.269429     |                |
|                          | 0.007 107     | /gb=BC020895 /gi=21595279             | B0020000      | 110.200420    |                |
|                          | *10           | /ug=Hs.269429 /len=1436               |               |               |                |
| 4.4252                   | 0.007407      |                                       | ALKOEEOOE     | 11- 050000    | e gasaria      |
| 14353                    | 0.007107      | cDNA FLJ31303 fis, clone              | AK055865      | Hs.350200     |                |
|                          |               | LIVER1000082. /gb=AK055865            |               | -             |                |
|                          | :             | /gi=16550700 /ug=Hs.350200            |               |               | ` ,            |
|                          | ·.            | /len=2801                             |               |               | 1 . 50         |
| 14358                    | 0.016299      | nab71h02.x1                           | BF439932      | Hs.331476     |                |
|                          |               | Soares_NSF_F8_9W_OT_PA_P_S1           |               | ."            |                |
|                          |               | cDNA clone IMAGE:3273435 3' similar   | *             |               | e*             |
|                          |               | to contains Alu repetitive element;   |               |               |                |
|                          |               | mRNA sequence                         |               |               | * .            |
|                          |               | /clone=IMAGE:3273435 /clone_end=3'    | , L           |               |                |
|                          |               | /gb=BF439932 /gi=11452449             |               |               |                |
|                          | -             |                                       |               | J .           |                |
|                          | ,             | /ug=Hs.331476 /len=347                |               |               | 2"             |
| 11655                    | 2 2 4 1 2 1 2 |                                       |               |               |                |
| 14360                    | U.U14946      | EST(RC2-BN0074-010400-016-a07         | BE000916      | 1             | NP_659412      |
|                          |               | BN0074 cDNA, mRNA sequence)           |               | <u> </u>      |                |
| 14363                    | 0.009388      | ESTs, cDNA, 3' end                    | AI719659      | Hs.372094     |                |
|                          |               | /clone=IMAGE:2355101 /clone_end=3'    |               | V-            |                |
|                          |               | /gb=Al719659 /gi=5036915              |               | ·             | *              |
|                          |               | /ug=Hs.372094 /len=528                |               |               |                |
| 14374                    | 0.035177      | RC4-HT0277-160200-013-d07 HT0277      | BE151126      | Hs.158600     |                |
| 17017                    | 0.000111      | cDNA, mRNA sequence /gb=BE151126      |               | 1.13.130000   |                |
|                          | l .           | lonuvy mizuv sednemce (dn−b⊏ 191150   |               |               |                |
|                          |               | /gi=8613847 /ug=Hs.158600 /len=571    |               |               |                |

|               |            | nding To Differentially Expressed Gen |   |  |              |
|---------------|------------|---------------------------------------|---|--|--------------|
| Spot          | p-value    | Description                           | Gene                                    | Unigene  | Protein      |
|               |            |                                       | Accession No.                           | Accession  | Accession    |
|               | <u> </u>   |                                       |   | No.  | No.          |
| 14375         | 0.040751   | ESTs, cDNA, 3' end                    | AI768858                                | Hs.157149  | NP_066012    |
|               |            | /clone=IMAGE:2402646 /clone_end=3'    |   |  | * *          |
|               | ·          | /gb=Al768858 /gi=5235367              | *                                       |  |              |
|               |            | /ug=Hs.157149 /len=562                |   | ,  | <u> </u>     |
| 14379         | 0.009388   | Similar to hypothetical protein       | BC039535                                | Hs.440840  | NP 776163    |
| . ,           |            | FLJ20489, clone MGC:50559             |   |  | _            |
|               | }          | IMAGE:5744381, mRNA, complete cds     |   |  |              |
| •             |            | /cds=(290,1078) /gb=BC039535          | *                                       | · .  |              |
|               | j          | /gi=24659157 /ug=Hs.440840            |   |  |              |
|               | *          | /len=2078                             |   |  |              |
| 14388         | 0.012276   | cDNA FLJ13830 fis, clone              | AK023892                                | Hs.287601  | -            |
| 1-000         | 0.012270   | THYRO1000637. /gb=AK023892            | 7111020032                              | 113.207001                                       |              |
|               |            | /gi=10435965 /ug=Hs.287601            |   |  |              |
| sa y "     ", | 8 9 6      | /len=1916//                           |   |  |              |
| 14206         | 0.036707   | cDNA FLJ11437 fis, clone              | AK021499                                | 110 270701                                       |              |
| 14590         | 0.020191   | HEMBA1001226 /cds=UNKNOWN             | MNU2 1433                               | Hs.270791  |              |
| . •           |            |                                       | : 36                                    |  |              |
|               |            | /gb=AK021499 /gi=10432694             |   |  |              |
| 44440         | 0.005477   | /ug=Hs:270791                         | D C C C C C C C C C C C C C C C C C C C |  | ND 070500    |
|               |            | EST(cDNA clone IMAGE:4521448 5')      | BG387788                                |  | NP_073568    |
| 14414         | 0.035177   | AV764634 MDS cDNA clone               | AV764634                                | Hs.270532  |              |
|               |            | MDSBZE01 5', mRNA sequence            |   |  |              |
|               |            | /clone=MDSBZE01 /clone_end=5'         |   |  | 1            |
|               |            | /gb=AV764634 /gi=10922482             | 10                                      |  |              |
|               |            | /ug=Hs.270532 /len=1289               | 1.                                      |  |              |
| 14415         | 0.032636   | ESTs, cDNA, 5' end                    | BG292389                                | Hs.374490  |              |
|               | }          | /clone=IMAGE:4515481 /clone_end=5'    | ×                                       |  |              |
|               |            | /gb=BG292389 /gi=13051140             |   | *  |              |
|               |            | /ug=Hs.374490 /len=887                |   | ,  |              |
|               | *          |                                       |   |  | 4            |
| 14417         | 0.025911   | proteasome (prosome, macropain)       | NM 002789                               | Hs.251531  | NP_002780    |
| 14-1          |            | subunit, alpha type, 4 (PSMA4), mRNA  |   |  |              |
|               |            | /cds=(137,922) /gb=NM_002789          | į ,                                     | - · · · · · · · · · · · · · · · · · · ·          |              |
|               |            | /gi=23110940 /ug=Hs.251531            | 1                                       |  | •            |
|               |            | /len=1189                             |   |  |              |
| 14424         | 0.035177   | EST(MR0-HT0157-040500-012-d07         | BE143000                                | <del>                                     </del> |              |
|               |            | HT0157 Homo sapiens cDNA, mRNA        |   |  |              |
|               |            | sequence)                             |   |  | -            |
| 14425         | 0.020388   | wc34a07.x1 NCI_CGAP_Pr28 cDNA         | AI745524                                | Hs.205153  |              |
| 1120          | 0.02000    | clone IMAGE:2317044 3' similar to     | / 11 1002 1                             | 110.250100                                       |              |
|               | - ()-      | contains element MSR1 repetitive      |   |  |              |
|               |            | element ;, mRNA sequence              |   |  | -            |
|               | ļ.         | /clone=IMAGE:2317044 /clone end=3'    | 1                                       | {  |              |
|               |            | /gb=Al745524 /gi=5113812              | Į.                                      | *  |              |
|               |            | 1 7                                   | <u> </u>                                |  | - 0          |
| 44450         | 0.000000   | /ug=Hs.205153 /len=398                | OFO ID No 25                            | <del> </del>                                     | <del> </del> |
| 14452         |            | No significant match                  | SEQ.ID.No.35                            |  |              |
| 14461         | 0.022106   | No significant match, ORF-2(111~269)  | <br>                                    | {  | 1            |
|               | 10.00      |                                       | SEQ.ID.No.84                            | <u> </u>   | <del> </del> |
| 14468         | 1 0.023945 | No significant match (ORF:none)       | SEQ.ID.No.21                            |  | 1 .          |

|           |           | nding To Differ ntially Expressed Gen        |               |                                       |              |
|-----------|-----------|--|---------------|---------------------------------------|--------------|
| Spot      | p-valu    | Description                                  | Gene          | Unigene                               | Protein      |
|           |           |  | Accession No. | Accession                             | Accession    |
|           |           | No. 2 to the second second                   |               | No.                                   | No.          |
| 14483     | 0.022106  | cDNA FLJ34248 fis, clone                     | AK091567      | Hs.112461                             | III.         |
|           |           | FCBBF4000446. /gb=AK091567                   |               | 1,4% 1 15 15 1                        | 1            |
|           |           | /gi=21749972 /ug=Hs.112461                   |               |                                       | ]            |
|           | ļ.        |  | ,             |                                       |              |
| 4407      | 0.000007  | /len=1623                                    | 1114 000005   |                                       |              |
| 14497     | 0,002337  | serine (or cysteine) proteinase inhibitor,   | NM_000295     | Hs.297681                             | NP_000286    |
|           |           | clade A (alpha-1 antiproteinase,             |               |                                       |              |
|           |           | antitrypsin), member 1 (SERPINA1),           |               |                                       |              |
|           | • • ,     | mRNA /cds=(233,1489)                         |               |                                       |              |
|           |           | /gb=NM_000295 /gi=21361197                   |               |                                       | <u>.</u>     |
|           |           | /ug=Hs.297681 /len=1584                      | *             |                                       | ľ            |
| 14502     | 0.025911  | No match, ORF+2(59~245)                      | SEQ.ID.No.101 |                                       |              |
| 14504     |           | No significant match (ORF:none)              | SEQ.ID.No.22  |                                       |              |
| 14505     |           |  |               |                                       | -            |
|           |           | No significant match (ORF:none)              | SEQ.ID.No.66  | · · · · · · · · · · · · · · · · · · · |              |
| 14516     | 0.0058/   | EST (od85a05.x5 NCI_CGAP_Ov2                 | AI821981      |                                       |              |
| · .       |           | IMAGE:1374704)                               | 1. 14.        |                                       | <u> </u>     |
| 14518     | 0.043799  | cDNA FLJ36977 fis, clone                     | AK094296      | Hs.151143                             |              |
|           |           | BRACE2006344. /gb=AK094296                   | y             |                                       |              |
|           |           | /gi=21753327 /ug=Hs.151143                   |               |                                       |              |
| •• •      |           | /len=1678                                    |               |                                       |              |
| 14519     | 0.00587   | ATP-binding cassette, sub-family A           | NM 018672     | Hs.180513                             | NP 758424    |
| , , , , , | 3.0000    | (ABC1), member 5 (ABCA5), transcript         | 11111_010072  | 113.100010                            | 111 _/ 50424 |
|           |           |  | *             |                                       |              |
|           |           | variant 1, mRNA /cds=(1219,6147)             | 3 4           |                                       | 100          |
|           |           | /gb=NM_018672 /gj=27262623                   |               |                                       | 0.0          |
| ,         |           | /ug=Hs.180513 /len=7044                      | . 00          |                                       |              |
|           |           |  |               | <u></u>                               |              |
| 14525     | 0.001501  | hypothetical protein MGC13159                | NM_032927     | Hs.12845                              | NP_116316    |
|           | 100       | (MGC13159), mRNA /cds=(592,1017)             |               | * *                                   |              |
|           |           | /gb=NM_032927;/gi=14249719                   | 1             |                                       |              |
|           |           | /ug=Hs.12845 /len=1759                       |               | * . · · · ·                           |              |
| 14526     | 0.003563  | EST (UI-HF-BL0-adc-e-05-0-UI.s1              | AW575379      | · · · · · · · · · · · · · · · · · · · |              |
| 14528     |           |  |               |                                       |              |
| 1 7020    | 0.040731  | EST (EST34421 Embryo, 6 week I               | AA330691      | -                                     | 1.           |
|           | 1         | cDNA 5' end similar to EST containing        | *             |                                       |              |
| 7.2-7     |           | L1 repeat)                                   |               |                                       |              |
| 14530     | 0.026797  | EST (Human fetal liver HA0635 cDNA           | Al064840      |                                       |              |
|           |           | library cDNA)                                |               |                                       |              |
| 14541     | 0.021     | EST tz43f04.x1 NCI_CGAP_Brn52                | Al863121      |                                       |              |
|           |           | cDNA clone IMAGE:2291359 3' similar          | ı             |                                       | 1            |
| • •       |           | to contains Alu repetitive                   |               | :                                     |              |
| ٠,        | *         | element;contains L1.b1 L1 repetitive         | ,             |                                       |              |
| 14546     | 0.032636  | EST (601819273F1 NIH_MGC_58                  | BF130672      |                                       | ND OOSEE     |
| 14040     | 0.002000  |  | Dr 190017     | ,                                     | NP_003655    |
|           | E 445 0 : | cDNA clone IMAGE:4051098 5')                 | 10160015      |                                       |              |
| 14547     | 5.11E-04  | cDNA FLJ11469 fis, clone                     | AK021531      | Hs.224398                             |              |
| ·         |           | HEMBA1001658. /gb=AK021531                   |               | *                                     | 1.           |
|           |           | /gi=10432731 /ug=Hs.224398                   |               |                                       |              |
|           | *         | /len=1665                                    |               |                                       |              |
| 4548      | 0.007107  | mRNA; cDNA DKFZp566P1124 (from               | AL110236      | Hs.321022                             |              |
|           |           | clone DKFZp566P1124) /gb=AL110236            | ,0_00         |                                       | ,            |
|           |           | /gi=5817178 /ug=Hs.321022 /len=2267          | ٠.            | ļ                                     | ] .          |
|           | 1         | /g =J0   /   / 0 /ug=F15.34   UZZ /I@H=ZZ6// | I             | · ·                                   | 1            |

|             |          | nding To Differentially Expressed Gen    |               |             | <b>D</b>   |
|-------------|----------|--|---------------|-------------|------------|
| Spot        | p-value  | Description                              | Gene          | Unig ne     | Protein    |
|             | . "      |  | Accession No. | Accession   | Accession  |
|             |          |  |               | No.         | No         |
| 14550       | 0.017288 | cDNA FLJ31626 fis, clone                 | AK056188      | Hs.375198   |            |
|             |          | NT2RI2003317. /gb=AK056188               |               |             |            |
|             |          | /gi=16551523 /ug=Hs.375198               |               |             |            |
|             |          | <u> </u>                                 | £             |             |            |
|             | 10.04    | /len=2041                                | A A 500040    |             |            |
| 14551       | 0.04/031 | EST (ng23f02.s1 NCI_CGAP_Ov2             | AA502813      |             | ,          |
| 1           |          | cDNA clone IMAGE:930267 similar to       | 1             |             | 0.0        |
|             |          | contains Alu repetitive element)         |               | , ,s.dr     |            |
| 14553       | 0.009388 | hypothetical protein H41 (H41), mRNA     | NM 017548     | Hs.283690   | NP 060018. |
|             | -        | /cds=(324,1100) /gb=NM_017548            | =             |             | ]          |
|             |          | /gi=24475997 /ug=Hs 283690               | * ***         | 4           | 1 10 "     |
| **** ,      |          | /len=3346                                |               |             |            |
| 4.4550      | 0.047004 |  | DEC75000      | <del></del> | 1776       |
| 14558       | 0.047031 | EST (7f19b11.x1 NCI_CGAP_CLL1            | BE675960      |             |            |
|             |          | H.sapiens cDNA clone IMAGE:3295101       |               | * **        |            |
|             |          | [3')                                     |               | 2           |            |
| 14559       | 0.04244  | EST hb88d08.x1 NCI_CGAP_Ut2              | AW439829      |             | NP_620128  |
| * * *       | 7 - 7    | cDNA clone IMAGE:2890287 3'              |               |             |            |
| 14560       | 2.66F-04 | TRAM-like protein (KIAA0057), mRNA       | NM_012288     | Hs.153954   | NP 036420  |
| 000         | 1.002.01 | /cds=(76,1188) /gb=NM_012288             |               |             |            |
| 8           | 1:       |  |               |             |            |
|             |          | /gi=6912449 /ug=Hs 153954 /len=6974      |               |             |            |
| 3 : 1 · · · |          |  |               |             |            |
| 14561       | 0.03788  | mRNA; cDNA DKFZp451B1818 (from           | AL832623      | Hs.77554    |            |
|             |          | clone DKFZp451B1818) /gb=AL832623        |               |             |            |
|             |          | /gi=21733198 /ug=Hs.77554 /len=6240      |               |             |            |
|             | 1        |  |               |             |            |
| 14568       | 1 15F-04 | ribosomal protein, large, P0 (RPLP0),    | NM 053275     | Hs.406511   | NP 444505  |
| 1.1000      | 1.105 07 | transcript variant 2, mRNA               | 11111_000270  | 110.1000    |            |
|             |          |  |               |             |            |
|             |          | /cds=(111,1064) /gb=NM_053275            |               | č           | *          |
| • •         |          | /gi=16933545 /ug=Hs.406511               |               |             | ŀ          |
| * .         |          | /len=1148                                |               |             |            |
| 14571       | 0.003183 | EST(xx31a10,x1 NCI_CGAP_Ut1 clone        | AW571469      |             | NP_055260  |
|             |          | IMAGE:2839098 3')                        |               | -)(-        |            |
| 14573       | 0.041997 | hypothetical protein DKFZp434N1923       | NM 030974     | Hs.295866   | NP_112236  |
|             |          | (DKFZP434N1923), mRNA                    |               |             |            |
|             |          | /cds=(209,1372) /gb=NM_030974            | 200           | l           | <b>)</b>   |
|             |          |  |               |             |            |
|             |          | /gi=13569949 /ug=Hs.295866               |               |             |            |
| -           |          | /len=1579                                |               |             | 0          |
| 14591       |          | EST(wz82e11.x1 NCI_CGAP_Gas4             | AW004920      |             |            |
| 14593       | 0.047031 | EST (oy90d09.x1                          | AI051247      |             |            |
|             |          | Soares_fetal_liver_spleen_1NFLS_S1       |               | -           |            |
|             |          | cDNA clone IMAGE:1673105 3')             | 2.            |             |            |
|             |          |  |               |             | 1          |
| 14600       | 0.02700  | hypothetical gans supported by           | VM 046052     | <del></del> | -          |
| 14600       | 0.03/88  | hypothetical gene supported by           | XM_046853     | ]           |            |
|             |          | AY007122 (LOC92719)                      |               | 1           | <u> </u>   |
| 14604       | 9.43E-04 | eukaryotic translation elongation factor | NM_001402     | Hs.422118   | NP_001393  |
|             |          | 1 alpha 1 (EEF1A1), mRNA                 |               |             |            |
|             |          | /cds=(63,1451) /gb=NM_001402             | ()            |             |            |
|             |          | /gi=25453469 /ug=Hs.422118               | *             | 1           |            |
|             |          |  |               | 1.          |            |
|             |          | /len=1837                                |               |             |            |

|       |             | nding To Differentially Expressed Gen                |               |                  |  |
|-------|-------------|--|---------------|------------------|--|
| Spot  | p-value     | Description  | Gene          | Unigene          | Protein  |
|       |             | *  | Accession No. | Accession<br>No. | Accession<br>No.                                 |
| 14612 | 0.006463    | EST (AL536815 LTI_FL013_FBrn1                        | AL536815      | IVO.             | 110,   |
| 1-012 | - 0.000     | clone CS0DF020YK05 5')                               |               |                  |  |
| 14618 | 0.018784    | EST (UI-H-Bl2-agh-g-08-0-UI.s1                       | AW291353      |                  | NP 061049  |
| 17010 | ,           | NCI_CGAP_Sub4 cDNA clone                             | 7.11201000    |                  | 141 _00 1043                                     |
|       |             | IMAGE:2724303 3')                                    |               |                  |  |
| 14629 | 0.043799    | UI-H-ED1-axs-i-05-0-UI.s1                            | BQ014114      | Hs.195045        |  |
| 14023 | 0.040700    | NCI_CGAP_ED1 cDNA clone                              | Daoistis      | 113.133043       |  |
|       |             | IMAGE:5833036 3', mRNA sequence                      | /             |                  | 0.0  |
|       |             | /clone=IMAGE:5833036 /clone_end=3'                   |               |                  |  |
|       |             | /gb=BQ014114 /gi=19739015                            | ÷,            | ľ .              | 1  |
|       |             | /ug=Hs.195045 /len=1024                              |               |                  | 5.   |
|       | , "gw, " in | 7ug-113.19304371ett-1024                             |               |                  |  |
| 14637 | 0.025011    | hypothetical protein PRO1331                         | NM 030778     | Hs.301824        | NP 110405  |
| 14037 | 0.025911    | (PRO1331), mRNA /cds=(423,617)                       | NIVI_030776   | 115.301024       | 110403   |
|       |             | /gb=NM_030778 /gi=13562115                           |               | 20               |  |
|       |             | /ug=Hs.301824 /len=1634                              |               |                  | *  |
| 14638 | 0.040070    | 602623674F1 NCI_CGAP_Skn4 cDNA                       | BG677029      | Hs.123445        | 11 42 27   |
| 14030 | 0.049079    |  | DG011029      | ПS. 123443       |  |
|       | 'v ' ,      | clone IMAGE:4748515 5', mRNA                         | . 0           |                  |  |
|       | *           | sequence /clone=IMAGE:4748515                        | : *           | * .              |  |
|       |             | /clone_end=5' /gb=BG677029                           | " s           |                  |  |
|       |             | /gi=13908426 /ug=Hs.123445 /len=882                  |               |                  |  |
|       | . 24        |  |               | **               |  |
| 14660 | 6.56E-04    | ai18d09.s1 Soares testis_NHT cDNA                    | AA725750      | Hs.120496        |  |
|       |             | clone 1343153 3', mRNA sequence                      |               | *                | . · ·  |
|       |             | /clone=1343153 /clone_end=3'                         | ,             | ,                | ] ·  |
|       |             | /gb=AA725750 /gi=2743457                             | ث ب           | *                | 1  |
|       |             | /ug=Hs.120496 /len=425                               |               | *                | ;  |
| 14666 | 0.017288    | EST(QV4-DT0021-281299-070-a12                        | AW936306      |                  |  |
|       | X           | DT0021)  |               |                  |  |
| 14676 | 3.04E-04    | EST(QV0-CT0225-101299-071-b01                        | AW377614      |                  | NP 842565  |
|       |             | CT0225)  |               |                  | · · · · · · · · · · · · · · · · · · ·            |
| 14680 | 0.002602    | clone IMAGE:4839532, mRNA                            | BC026289      | Hs.7037          | 1  |
|       |             | /gb=BC026289 /gi=20070813                            |               |                  |  |
|       |             | /ug=Hs.7037 /len=2326                                |               |                  |  |
| 14688 | 0.012526    | cDNA FLJ34825 fis, clone                             | AK092144      | Hs.376593        |  |
|       | -,5,12520   | NT2NE2008785, weakly similar to                      | )             | 1                | }  |
|       |             | ANTER-SPECIFIC PROLINE-RICH                          |               |                  | [.   |
| _     |             | PROTEIN APG. /qb=AK092144                            |               |                  | 1  |
|       | 16          | /gi=21750666 /ug=Hs.376593                           | •             | * *              | 1  |
| *     |             | //len=2130   | +             |                  | ļ  |
| 14690 | 0.001062    | cDNA FLJ35033 fis, clone                             | AK092352      | Hs.156113        | <del>                                     </del> |
| 1-030 | 7.00 1002   | OCBBF2016590, weakly similar to                      | 111002002     | 113.100113       | 1  |
|       |             | CELL SURFACE ANTIGEN 114/A10                         |               | ļ                | ŀ  |
|       | j .         | PRECURSOR. /cds=(407,934)                            | 1             | 1 .              |  |
|       |             |  | •             |                  | •  |
|       |             |  |               | İ                |  |
|       |             | /gb=AK092352 /gi=21750925<br>/ug=Hs.156113 /len=2884 | · ·           |                  |  |

|       |          | nding To Differentially Expressed Gen   |                      |                             | D. A.                       |
|-------|----------|---|----------------------|-----------------------------|-----------------------------|
| Spot  | p-value  | Description   | G n<br>Acc ssion No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
| 14694 | 0.004367 | cDNA FLJ35910 fis, clone  | AK093229             | Hs.348902                   | 110.                        |
|       | eye      | TESTI2009987. /gb=AK093229<br>/gi=21752038 /ug=Hs.348902<br>/len=2035   |                      |                             |                             |
| 14697 | 0.011238 | EST00015 NCI_CGAP_Lu5 cDNA<br>clone IMAGE:1568018 3', mRNA  | BF707422             | Hs.298289                   |                             |
|       |          | sequence /clone=IMAGE:1568018<br>/clone_end=3' /gb=BF707422<br>/gi=11999083 /ug=Hs.298289 /len=858                                |                      |                             | 100                         |
| 14698 | 0.011816 | EST(MR1-MT0282-191200-005-b11<br>MT0282 cDNA)   | BF904004             |                             |                             |
| 14699 | 0.025911 | cDNA, 5' end /clone=IMAGE:3911301<br>/clone_end=5' /gb=BE886472   | BE886472             | Hs.200483                   | NP_079466                   |
|       |          | /gi=10340792 /ug=Hs.301486 /len=945   |                      |                             |                             |
| 14709 | 0.008566 | Similar to hypothetical protein FLJ20378, clone IMAGE:5547904,  | BC035643             | Hs.202613                   |                             |
|       | -33 -    | mRNA, partial cds /cds=(1,802)<br>/gb=BC035643 /gi=23274249<br>/ug=Hs.202613 /len=1653  |                      |                             | -                           |
| 14714 | 0.002337 | UI-E-CL1-afe-n-12-0-UI.s1 UI-E-CL1 cDNA clone UI-E-CL1-afe-n-12-0-UI.s1   | BU729525             | Hs.233617                   |                             |
|       |          | mRNA sequence /clone=UI-E-CL1-afe-<br>n-12-0-UI /clone_end=3' /gb=BU729525<br>/gi=23652495 /ug=Hs.233617<br>/len=1402             |                      |                             |                             |
| 14715 | 0.00587  | ADP-ribosylation factor-like 6 interacting protein (ARL6IP), mRNA /cds=(70,681) /gb=NM_015161 /gi=24308006 /ug=Hs.75249 /len=2280 | NM_015161            | Hs.75249                    | NP_055976                   |
| 14722 | 0.023945 | cDNA FLJ11439 fis, clone<br>HEMBA1001299. /gb=AK021501<br>/gi=10432697 /ug=Hs.287416  | AK021501             | Hs.287416                   |                             |
| 14727 | 0.012276 | /len=1500<br>fh01f01.y1 NIH_MGC_17 cDNA clone<br>IMAGE:2961144 3', mRNA sequence  | AW409578             | Hs.279718                   |                             |
| 1     |          | /clone=IMAGE:2961144 /clone_end=3'<br>/gb=AW409578 /gi=6935198<br>/ug=Hs.279718 /len=529  |                      | * *                         |                             |
| 14761 | 0.023945 | clone IMAGE:5275203, mRNA<br>/gb=BC041380 /gi=27370609<br>/ug=Hs.293782 /len=2857   | BC041380             | Hs.293782                   |                             |
| 14771 | 0.030249 | FLJ31352 fis, clone MESAN2000238<br>/cds=UNKNOWN /gb=AK055914<br>/gi=16550761 /ug=Hs.8107 /len=2841                               | AK055914             | Hs.8107                     | NP_061329                   |

|         |  | nding To Differentially Expressed Gen               |                 |                 | - to - to -   |
|---------|--|---|-----------------|-----------------|---------------|
| Spot    | p-valu                                       | D scription   | Gene            | Unigene         | Protein       |
|         |  |   | Accession No.   | Accession       | Accession     |
|         | THE MILES THE THE                            | U.  |                 | No.             | No.           |
| 4778    | 0.001501                                     | RC-BT164-290399-017 BT164 cDNA,                     | AI908188        | Hs.209245       |               |
|         |  | mRNA sequence /gb=Al908188                          |                 | 08              |               |
|         |  | /gi=6498868 /ug=Hs.209245 /len=508                  |                 |                 |               |
| 4779    | 0.005325                                     | UI-H-BI2-ahk-c-12-0-UI.s1                           | AW294558        | Hs.437134       | 37, 7, 7      |
|         |  | NCI_CGAP_Sub4 cDNA clone                            |                 |                 |               |
|         |  | IMAGE:2727166 3', mRNA sequence                     |                 |                 | 1 ,           |
|         |  | /clone=IMAGE:2727166 /clone_end=3'                  | *               |                 | * 2           |
|         |  | /gb=AW294558 /gi=6701194                            |                 |                 |               |
|         | <b>:</b>                                     | /ug=Hs.437134 /len=888                              |                 |                 | *             |
| 4781    | 0.022106                                     | UI-1-BC1-ajq-h-10-0-UI.s1                           | BQ010713        | Hs.281575       |               |
|         | ****   | NCI CGAP PI2 cDNA clone UI-1-BC1-                   |                 |                 |               |
|         | -  | ajq-h-10-0-UI 3', mRNA sequence                     |                 |                 |               |
|         |  | /clone=UI-1-BC1-ajg-h-10-0-UI                       |                 |                 | ]" ," ;       |
|         | *  | /clone_end=3' /gb=BQ010713                          | 7               | a, * /          |               |
| :       |  | /gi=19735614 /ug=Hs.281575                          |                 |                 |               |
| : .     |  | /len=1108   | *               |                 |               |
| 4810    | 0.013394                                     | cDNA FLJ39046 fis, clone                            | AK096365        | Hs.9856         |               |
| 1-10-10 | 0.010001                                     | NT2RP7010612. /gb=AK096365                          | 741000000       | 113.5000        |               |
|         |  | /gi=21755841 /ug=Hs.9856 /len=2161                  |                 | V               |               |
| 1818    | 0.032636                                     | AGENCOURT 10094876                                  | BU507049        | Hs.395205       |               |
| 4010    | 0.032030                                     | NIH_MGC_71 cDNA clone                               | 00007049        | IDS.393203      |               |
| 1.1.    | te a   | IMAGE:6500936 5', mRNA sequence                     |                 |                 |               |
|         |  |   | . *             |                 |               |
|         |  | /clone=IMAGE:6500936 /clone_end=5'                  | ~               |                 | - ·           |
|         |  | /gb=BU507049 /gi=22813282                           |                 |                 | 7.            |
|         |  | /ug=Hs.395205 /len=964                              |                 |                 |               |
|         |  |   |                 |                 |               |
| 14819   | 0.012526                                     | FLJ14036 fis, clone                                 | AK024098        | Hs.306663       |               |
| - '     |  | HEMBA1004709/cds=UNKNOWN                            |                 | -               | 4 1           |
|         |  | /gb=AK024098 /gi=10436394                           |                 |                 |               |
|         | 1  | /ug=Hs.306663/len=2067                              |                 | at a section of |               |
| 14828   | 0.032636                                     | ESTs, cDNA, 3' end                                  | AI871745        | Hs.117777       |               |
|         | <u>                                     </u> | /clone=IMAGE:2342469 /clone_end=3'                  | i i tanto ano i |                 |               |
| v .     |  | /gb=Al871745 /gi=5545717                            |                 |                 |               |
|         |  | /ug=Hs.117777 /len=542                              |                 |                 |               |
| 14835   | 0.032636                                     | BX115107 Soares fetal liver spleen                  | BX115107        | Hs.431087       |               |
|         |  | 1NFLS cDNA clone IMAGp998G12373,                    |                 |                 | \ \frac{1}{2} |
|         |  | mRNA sequence                                       |                 |                 |               |
| -       |  | /clone=IMAGp998G12373_;_IMAGE:19                    |                 |                 |               |
|         |  | 5875 /gb=BX115107 /gi=27839238                      |                 | *               |               |
|         |  | /ug=Hs.431087 /len=758                              | * *             |                 |               |
| 4844    | 0.007107                                     | AGENCOURT_10555391                                  | BU943206        | Hs.209356       |               |
|         |  | NIH_MGC_127 cDNA clone                              | , ,             |                 |               |
|         |  | IMAGE:6716639 5', mRNA sequence                     |                 |                 | 1             |
|         | l .  | /clone=IMAGE:6716639 /clone_end=5'                  |                 |                 | • •           |
|         |  | ひっしゅしこ ログかしし しょうししょう かいしいし たいしゅう                    | •               | 1               |               |
|         |  | . — .   |                 | (2)             | •             |
|         |  | /gb=BU943206 /gi=24132025<br>/ug=Hs.209356 /len=815 |                 | *               |               |

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| Spot  | p-value  | Description                         | Gene<br>Accession No. | Unig ne<br>Acc ssion<br>No. | Protein<br>Accession<br>No.  |
|-------|----------|-------------------------------------|-----------------------|-----------------------------|--|
| 14851 | 0.02801  | UI-H-BW1-amm-h-09-0-UI.s1           | BF512783              | Hs.443691                   |  |
|       | 1        | NCI_CGAP_Sub7 cDNA clone            |                       |                             |  |
|       |          | IMAGE:3070696 3', mRNA sequence     |                       |                             | 00 . 00  |
|       | * **     | /clone=IMAGE:3070696 /clone end=3'  | Tel .                 | *                           | ·  |
|       |          | /gb=BF512783 /gi=11597962           |                       | 27                          |  |
|       | ÷        | /ug=Hs.443691 /len=568              | *                     |                             |  |
|       |          |                                     |                       |                             |  |
| 14884 | 0.043799 | 602043661F1 NCI_CGAP_Brn67 cDNA     | BF528488              | Hs.433462                   |  |
|       |          | clone IMAGE:4181462 5', mRNA        |                       |                             |  |
|       |          | sequence /clone=IMAGE:4181462       |                       |                             |  |
|       | - 8-     | /clone end=5' /gb=BF528488          |                       | 8                           |  |
| -     |          | /gi=11615851 /ug=Hs.433462 /len=885 |                       | 41 0                        |  |
| -     | į.       |                                     |                       | ×                           |  |
|       |          |                                     |                       |                             |  |
| 14917 | 0.005843 | No significant match,               |                       |                             |  |
|       |          | ORF+2(653~838),+3(618~782)          | SEQ.ID.No.6           |                             |  |
| 14922 | 0.020388 | No significant match                |                       |                             | The state of the s |
|       |          | (ORF:+1:1~225[225])                 | SEQ.ID.No.24          |                             |  |
| 14924 | 0.017288 | No significant match, ORF-3(1~195)  | SEQ.ID.No.57          |                             |  |
| 14937 | 0.035177 | control                             |                       | lien                        |  |
| 14970 | 0.01045  | BDG-29 proten (BDG-29), mRNA        | NM_015144             | Hs.81505                    | NP_055959  |
|       |          | /cds=(36,2885) /gb=NM_015144        |                       |                             |  |
|       |          | /gi=21735418 /ug=Hs.81505 /len=6245 | 100                   |                             |  |
|       | ·        |                                     | 1                     |                             | l -  |

|                                       | 9         | TABLE 3N   | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - |                         | []                      |
|---------------------------------------|-----------|--|---|-------------------------|-------------------------|
| Genes                                 | Correspon | nding To Differentially Expressed Gene   | es in Figure 21                         | - Depression            |                         |
|                                       |           | Description  | Gene<br>Accession                       | Unigene<br>Accession    | Protein<br>Accession    |
| 4                                     | .0.025072 | tetraspan 3 (TSPAN-3), mRNA  | <b>No.</b><br>NM_005724                 | <b>No.</b><br>Hs.100090 | <b>No.</b><br>NP_005715 |
| · · · · · · · · · · · · · · · · · · · | 0.025072  | /cds=(218,979) /gb=NM_005724<br>/gi=21264581 /ug=Hs.100090 /len=1842   | NIVI_003724                             | NS. 100090              | NP_0057-15              |
| 28                                    | 0.014741  | 602184410T1 NIH_MGC_42 cDNA<br>clone IMAGE:4300347 3', mRNA<br>sequence /clone=IMAGE:4300347   | BF569051                                | Hs.352114               |                         |
|                                       |           | /clone_end=3' /gb=BF569051<br>/gi=11642431 /ug=Hs.352114 /len=1899   |   |                         |                         |
| 33                                    | 0.024394  | methionine adenosyltransferase II,<br>alpha (MAT2A), mRNA /cds=(117,1304)<br>/gb=NM_005911 /gi=19923346<br>/ug=Hs.77502 /len=2828  | NM_005911                               | Hs.77502                | NP_005902               |
| 42                                    | 0.025072  | hydroxyacyl-Coenzyme A<br>dehydrogenase/3-ketoacyl-Coenzyme A<br>thiolase/enoyl-Coenzyme A hydratase<br>(trifunctional protein), alpha subunit<br>(HADHA), mRNA /cds=(35,2326) | NM_000182                               | Hs.75860                | NP_000173               |
|                                       | 7 ()      | /gb=NM_000182 /gi=20127407<br>/ug=Hs.75860 /len=2972   | *                                       |                         |                         |
| 98                                    |           | mitochondrion, complete genome   | NC_001807.                              |                         |                         |
| 104                                   | 0.034378  | proteasome (prosome, macropain)<br>activator subunit 2 (PA28 beta)<br>(PSME2), mRNA /cds=(66,785)<br>/gb=NM_002818 /gi=4506236<br>/ug=Hs.433810 /len=828                       | NM_002818                               | Hs.433810               | NP_002809               |
| 154                                   | 0.034378  | hypothetical protein DJ328E19.C1.1<br>(DJ328E19.C1.1), mRNA<br>/cds=(18,2783) /gb=NM_015383<br>/gi=7657016 /ug=Hs.218329 /len=3689   | NM_015383                               | Hs.218329               | NP_056198               |
| 158                                   | 0.031002  | CD36 antigen (collagen type I receptor, thrombospondin receptor) (CD36), mRNA /cds=(133,1551) /gb=NM_000072 /gi=4557418 /ug=Hs.75613 /len=1820                                 | NM_000072                               | Hs.75613                | NP_000063               |
| 171                                   | -         | putative Rab5-interacting protein (RIP5),<br>mRNA /cds=(183,572) /gb=NM_018840<br>/gi=10047115 /ug=Hs.184062 /len=1104   |   | Hs.184062               | NP_061328               |
| 178                                   | 0.01798   | zinc finger protein 161 (ZNF161), mRNA<br>/cds=(42,1592) /gb=NM_007146<br>/gi=6005967 /ug=Hs.223754 /len=2306  | NM_007146                               | Hs.223754               | NP_009077               |

| Spot      | p-value   | Description                              | Gene            | Unigene        | Protein      |
|-----------|-----------|--|-----------------|----------------|--------------|
|           |           |  | Accession       | Accession      | Accession    |
|           | ·         |  | No.             | No.            | No.          |
| 209       | 0.006784  | cyclin D2 (CCND2), mRNA                  | NM_001759       | Hs.75586       | NP 001750    |
|           |           | /cds=(270,1139) /gb=NM_001759            | <del>-</del> ,  |                | <del>-</del> |
| x x - x - |           | /gi=16950656 /ug=Hs.75586 /len=6480      | * ***           |                |              |
|           |           |  |                 |                |              |
| 210       | 0.020126  | protein tyrosine phosphatase type IVA,   | NM 003463       | Hs.227777      | NP_003454    |
| - 1       |           | member 1 (PTP4A1), mRNA                  |                 |                | T            |
| <u>[</u>  |           | /cds=(650,1171) /gb=NM_003463            |                 | *              |              |
|           |           | /gi=17986281 /ug=Hs 227777 /len=4394     | F               | :              |              |
|           |           |  |                 |                | * 5.**       |
| 224       | 0.031002  | ubiquitin specific protease 7 (herpes    | NM_003470       | Hs.78683       | NP_003461    |
|           |           | virus-associated) (USP7), mRNA           |                 |                | , — ,        |
| \<br>\    |           | /cds=(200,3508) /gb=NM_003470            | - y₀ *          | 90             | i i          |
| <u>:</u>  |           | /gi=4507856 /ug=Hs.78683 /len=4022       |                 |                |              |
| 225       | 0.020126  | zinc finger protein 232 (ZNF232), mRNA   | NM_014519       | Hs.279914      | NP_055334    |
|           |           | /cds=(126,1379) /gb=NM_014519            |                 |                |              |
|           |           | /gi=7657704 /ug=Hs.279914 /len=1465      |                 |                |              |
| 1.00      |           |  |                 |                |              |
| 251       | 0.011228  | ATPase, Ca transporting, type 2C,        | NM_014382       | Hs.106778      | NP_055197    |
|           |           | member 1 (ATP2C1), mRNA                  |                 | . /            |              |
|           |           | /cds=(236,2995) /gb=NM_014382            |                 |                |              |
| 1         | ,         | /gi=7656909 /ug=Hs.106778 /len=3637      |                 |                |              |
|           |           |  | *               |                |              |
| 255       | 0.031002  | phenylalanyl-tRNA synthetase beta-       | NM_005687       | Hs.9081        | NP_005678    |
|           | , i       | subunit (FRSB), mRNA /cds=(14,1783)      | e to the second |                |              |
| 1 .       | . *       | /gb=NM_005687 /gi=19923332               |                 |                | ,            |
| * •       |           | /ug=Hs.9081 /len=3118                    |                 |                |              |
| 256       | 0.042048  | KIAA0494 gene product (KIAA0494),        | NM_014774       | Hs.62515       | NP_055589    |
| ŀ         | *         | mRNA /cds=(978,2465)                     | 70              |                | 0            |
|           |           | /gb=NM_014774 /gi=7662159                | · *             | *              |              |
|           |           | /ug=Hs.62515 /len=5766                   |                 |                |              |
| 259       | 0.020126  | ornithine decarboxylase antizyme         | NM_015878       | Hs.223014      | NP_680479    |
| l .       |           | inhibitor (OAZIN), transcript variant 1, | *               |                |              |
|           |           | mRNA /cds≡(721,2067)                     | *               | i <sup>.</sup> | 9            |
|           | *         | /gb=NM_015878 /gi=22538416               | •               | y - **         | -)(- *       |
| 222       |           | /ug=Hs.223014 /len=2882                  |                 |                |              |
| 282       | 0.042048  | protein phosphatase 1, regulatory        | NM_005398       | Hs.303090      | NP_005389    |
|           |           | (inhibitor) subunit 3C (PPP1R3C),        |                 |                |              |
|           | . * *     | mRNA /cds=(58,1011) /gb=NM_005398        | * *             |                | * _=         |
|           |           | /gi=21314622 /ug=Hs.303090 /len=2524     | - 1             | X-9            |              |
| 202       | 0.020420  | ountario 7 (CTV7) = DNA /ada (CO CCS)    | NIA OCCCO       | Un 0000        | ND 000500    |
| 283       | 0.020126  | syntaxin 7 (STX7), mRNA /cds=(80,865)    | NIVI_003569     | Hs.8906        | NP_003560    |
|           |           | /gb=NM_003569 /gi=4507294                |                 |                |              |
| 207       | 0.010000  | /ug=Hs.8906 /len=1614                    | NIM 450720      | 11- 007700     | ND 000040    |
| 287       | 0.0 12009 | zinc finger protein 187 (ZNF187), mRNA   | 152/36<br>      | Hs.237786      | NP_689949    |
|           |           | /cds=(193,1170) /gb=NM_152736            |                 |                |              |
| l         |           | /gi=24211018 /ug=Hs.237786 /len=2298     |                 |                | •            |
| <u> </u>  | L         |  | <u> </u>        | L              | 1            |

| Spot     | p-value   | Description                              | Gene<br>Accession<br>No. | Unigene<br>Accession    | Protein<br>Accession                  |
|----------|-----------|--|--------------------------|-------------------------|---------------------------------------|
| 294      | 0.034378  | mitochondrial carrier 2 (MTCH2),         | NM 014342                | <b>No.</b><br>Hs.279609 | <b>No.</b><br>NP 055157               |
| 204      | 0.004070  | nuclear gene encoding mitochondrial      | 14141_014042             | 113.27 5003             | 147 _055 157                          |
|          |           | protein, mRNA /cds=(49,960)              |                          |                         | *                                     |
|          |           | /gb=NM_014342 /gi=7657346                |                          |                         |                                       |
|          | *         |  |                          |                         |                                       |
| 240      | 0.000405  | /ug=Hs.279609 /len=1104                  | NIM OAFOEA               | 0- 46744                | ND 050000                             |
| 310      | 0.022485  | kinesin family member 13B (KIF13B),      | NM_015254                | Hs.15711                | NP_056069                             |
| •        |           | mRNA /cds=(38,5518) /gb=NM_015254        |                          |                         |                                       |
|          |           | /gi=13194196 /ug=Hs.15711 /len=8743      |                          |                         | , , , , , , , , , , , , , , , , , , , |
|          |           |  |                          |                         |                                       |
| 314      | 0.044138  | 601582740F1 NIH_MGC_7 cDNA clone         | BE798080                 | Hs.446419               |                                       |
|          |           | IMAGE:3937377 5', mRNA sequence          |                          | / v                     |                                       |
|          | ]         | /clone=IMAGE:3937377 /clone_end=5'       |                          |                         |                                       |
| *        | ×-        | /gb=BE798080 /gi=10219278                |                          | . *                     | a 4.                                  |
|          |           | /ug=Hs.446419 /len=1156                  |                          |                         |                                       |
|          |           | *  |                          |                         |                                       |
| 332      | 0.022485  | similar to rat nuclear ubiquitous casein | NM_022731                | Hs.118064               | NP_073568                             |
|          |           | kinase 2 (NUCKS), mRNA                   |                          |                         |                                       |
|          |           | /cds=(67,558) /gb=NM_022731              |                          |                         |                                       |
|          | [  f,  ]  | /gi=12232386 /ug=Hs.118064 /len=1811     | *                        |                         |                                       |
|          |           |  |                          | ,                       |                                       |
| 333      | 0.020126  | chaperonin containing TCP1, subunit 8    | NM 006585                | Hs.15071                | NP 006576                             |
|          |           | (theta) (CCT8), mRNA /cds=(29,1675)      |                          |                         |                                       |
|          |           | /gb=NM_006585 /gi=6005726                |                          |                         |                                       |
|          |           | /ug=Hs.15071 /len=1821                   |                          |                         | ,                                     |
| 357      | 0.022485  | deleted in pancreatic carcinoma (DPC4)   | AF045440                 |                         | *                                     |
|          | 0.022 100 | gene, exon 3                             | / 10 10 110              |                         |                                       |
| 359      | 0.04638   | plakophilin 2=X97675 plakophilin 2b      | NP_004563                |                         | -                                     |
| 555      | 0.04000   | (ORF 38%)                                | 1111 _004,000            | (Y) 8                   |                                       |
| 361      | 0.032415  | THO complex 1 (THOC1), mRNA              | NM_005131                | Hs.1540                 | NP_005122                             |
| 301      | 0.032413  | /cds=(15,1988) /gb=NM_005131             | 114141_003131            | 1113.1540               | 147_005122                            |
| -        |           |  |                          |                         | <b>'</b>                              |
| 266      | 0.042048  | /gi=4826881 /ug=Hs.1540 /len=2092        | NIM 002274               | Hs.149155               | ND 002265                             |
| 366      | 0.042048  | voltage-dependent anion channel 1        | NM_003374                | ITS. 149 155            | NP_003365                             |
| -        |           | (VDAC1), mRNA /cds=(100,951)             |                          |                         | 1                                     |
|          |           | /gb=NM_003374 /gi=4507878                |                          |                         | -00                                   |
|          |           | /ug=Hs.149155 /len=1806                  | 1111 001070              | 75000                   | ND COLOCA                             |
| 370      | 0.04638   | carboxypeptidase E (CPE), mRNA           | NM_001873                | Hs.75360                | NP_001864                             |
|          |           | /cds=(291,1721) /gb=NM_001873            |                          |                         |                                       |
|          |           | /gi=4503008 /ug=Hs.75360 /len=2443       | 1000                     |                         |                                       |
| 372      | 0.009931  | DEAD/H (Asp-Glu-Ala-Asp/His) box         | NM_012141                | Hs.58570                | NP_036273                             |
|          |           | polypeptide 26 (DDX26), mRNA             | 7                        |                         |                                       |
|          |           | /cds=(477,3140) /gb=NM_012141            | *                        |                         |                                       |
|          |           | /gi=11024693 /ug=Hs.58570 /len=3690      |                          |                         |                                       |
| <u> </u> |           |  |                          |                         | ļ                                     |
| 380      | 0.031002  | 5'-3' exoribonuclease 2 (XRN2), mRNA     | NM_012255                | Hs.268555               | NP_036387                             |
| ļ ·      |           | /cds=(86,2938) /gb=NM_012255             |                          |                         |                                       |
|          |           | /gi=18860915 /ug=Hs.268555 /len=3445     |                          |                         |                                       |
|          |           |  | <u> </u>                 |                         |                                       |

| Spot     | p-value                                 | Description  | Gene             | Unigene                | Protein                 |
|----------|---|--|------------------|------------------------|-------------------------|
|          |   |  | Accession        | Accession              | Accession               |
| 384      | 0.031002                                | ADP-ribosylation factor-like 6 interacting                         | No.<br>NM 015161 | <b>No.</b><br>Hs.75249 | <b>No.</b><br>NP_055976 |
| ,        | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | protein (ARL6IP), mRNA /cds=(70,681)                               |                  | 110,702 10.            |                         |
| 1        |   | /gb=NM_015161 /gi=24308006   |                  |                        |                         |
| 1.       |   | /ug=Hs.75249 /len=2280   |                  |                        | -                       |
| <u></u>  | <del></del>                             |  |                  |                        | ,                       |
| 385      | 0.042048                                | cyclin C (CCNC), mRNA /cds=(29,940)                                | NM_005190        | Hs.118442              | NP_005181               |
|          |   | /gb=NM_005190 /gi=7382485  |                  |                        | - 3-                    |
|          |   | /ug=Hs.118442 /len=1508  |                  |                        | -                       |
| 390      | 0.038054                                | UDP-galactose transporter related                                  | NM 005827        | Hs.154073              | NP_005818               |
| 1        | 0.000004                                | (UGTREL1), mRNA /cds=(88,1056)                                     | 11111_000027     | 1113.104010            | 141 _005010             |
| 10       | į                                       | /gb=NM_005827 /gi=5032212  | т , не т         |                        |                         |
|          |   | /ug=Hs.154073 /len=1186  |                  |                        |                         |
| 393      | 0.020126                                | microsomal epoxide hydrolase (EPHX1)                               | AF253417         |                        |                         |
|          | ·                                       | gene, complete cds   |                  |                        | 3 <u> </u>              |
| 395      | 0.014265                                | cysteine and histidine-rich domain                                 | NM_012124        | Hs.22857               | NP_036256               |
|          |   | (CHORD)-containing, zinc binding                                   |                  | *                      |                         |
| , .      | 8.0                                     | protein 1 (CHORDC1), mRNA  |                  |                        | ő,                      |
| * "      |   | /cds=(85,1083) /gb=NM_012124<br>/gi=6912303 /ug=Hs.22857 /len=2058 |                  |                        |                         |
| 396      | 0.04638                                 | hypothetical protein FLJ20445                                      | NM 017824        | Hs.343748              | NP 060294               |
| 330      | 0.04030                                 | (FLJ20445), mRNA /cds=(293,1129)                                   | 14141_017024     | 113,545740             | 141-000294              |
|          |   | /gb=NM_017824 /gi=19923500   | 98               |                        |                         |
|          |   | /ug=Hs.343748 /len=3896  |                  | ý.                     |                         |
| 409      | 0.008765                                | S-phase kinase-associated protein 1A                               | NM_006930        | Hs.171626              | NP_733779               |
| *        | *                                       | (p19A) (SKP1A), transcript variant 1,                              |                  |                        |                         |
|          |   | mRNA /cds=(140,622) /gb=NM_006930                                  |                  |                        |                         |
|          |   | /gi=25777710 /ug=Hs.171626 /len=2172                               | -                | , .                    |                         |
| 417      | 0.027006                                | LATS, large tumor suppressor, 2                                    | NM_014572        | Hs.432314              | NP 055387               |
| 1 711    | 0.027 300                               | (Drosophila) (LATS2), mRNA   | NIVI_0 14372     | 1115.432314            | NF_055567               |
|          |   | /cds=(375,3641) /gb=NM_014572                                      |                  | Ö.                     |                         |
|          |   | /gi=18959199 /ug=Hs.432314 /len=4098                               | * ,              |                        |                         |
|          | *                                       |  | ×                | *                      |                         |
| 427      | 0.04638                                 | hypothetical protein FLJ20508                                      | NM_017850        | Hs.272673              | NP_060320               |
| .]       |   | (FLJ20508), mRNA /cds=(191,802)                                    |                  | ė.                     |                         |
|          | i.                                      | /gb=NM_017850 /gi=8923468  |                  |                        |                         |
| 429      | 0.008765                                | /ug=Hs.272673 /len=2376<br>NPD009 protein (NPD009), mRNA           | NIM DODESE       | Uc 202675              | ND OCEZOZ               |
| 1 723    | 0.000703                                | /cds=(1327,1677) /gb=NM_020686                                     | NM_020686        | Hs.283675              | NP_065737               |
| }        | 1                                       | /gi=24476005 /ug=Hs.283675 /len=2514                               | ė ė              |                        |                         |
|          |   | 73. 2111 0000 rag 110.2000 70 mg//, 2011                           |                  |                        |                         |
| 432      | 0.042048                                | DKFZp586L081 (from clone   | AL080234         | Hs.8078                | , ,                     |
| ì        |   | DKFZp586L081) /cds=UNKNOWN   |                  |                        |                         |
| 100      |   | /gb=AL080234 /gi=5262727   | . "              |                        |                         |
| <u></u>  |   | /ug=Hs.8078 /len=2159.   |                  |                        | , ,                     |
| 439      | 0.006784                                | COBW domain-containing protein                                     | AF452722         | Hs 434050              | - · · · · · ·           |
| -        | ·                                       | mRNA, complete cds /cds=(35,1222)                                  |                  | * . * .                |                         |
|          | , · · · · · · · · · · · · · · · · · · · | /gb=AF452722 /gi=24850425<br>/ug=Hs.434050 /len=1561               |                  |                        |                         |
| <u> </u> | L                                       | 1/49-113.404000 /ICH-1001  | <del></del>      | <del></del>            |                         |

| Spot   | p-value  | Description                              | Gene          | Unigene       | Protein       |
|--------|----------|--|---------------|---------------|---------------|
|        |          |  | Accession No. | Accession No. | Accession No. |
| 459    | 0.012669 | X-ray repair complementing defective     | NM_022550     | Hs.150930     | NP_072044     |
|        |          | repair in Chinese hamster cells 4        |               |               |               |
|        |          | (XRCC4), transcript variant 3, mRNA      |               |               |               |
| ```    |          | /cds=(176,1180) /gb=NM_022550            | 4             |               | r             |
|        |          | /gi=12408648 /ug=Hs.150930 /len=1707     | -             |               |               |
| 461    | 0.009931 | a disintegrin-like and metalloprotease   | NM_006988     | Hs.8230       | NP_008919     |
|        |          | (reprolysin type) with thrombospondin    |               |               |               |
|        |          | type 1 motif, 1 (ADAMTS1), mRNA          |               |               |               |
|        |          | /cds=(294,3146) /gb=NM_006988            | a i           |               |               |
|        |          | /gi=11038653 /ug=Hs.8230 /len=4459       |               |               |               |
| 462    |          | erg protein (ets-related gene)           | M21535        |               | NP_004440     |
| 466    | 0.00772  | activity-dependent neuroprotector        | NM_015339     | Hs.3657       | NP_056154     |
| S (1.1 | γ.       | (ADNP), mRNA /cds=(346,3654)             |               |               |               |
|        |          | /gb=NM_015339 /gi=12229216               |               |               | )*            |
|        |          | /ug=Hs.3657 /len=4713                    |               |               |               |
| 512    | 0.027906 | myosin IXB (MYO9B), mRNA                 | NM_004145     | Hs.159629     | NP_004136     |
|        |          | /cds=(1,6069) /gb=NM_004145              |               |               | -             |
|        |          | /gi=4758749 /ug=Hs.159629 /len=6069      |               |               |               |
| 517    | 0.015802 | galactokinase 1 (GALK1), mRNA            | NM 000154     | Hs.92357      | NP_000145     |
|        |          | /cds=(64,1242) /gb=NM_000154             | <del></del>   | '             |               |
|        |          | /gi=4503894 /ug=Hs.92357 /len=1361       |               |               |               |
| 518    | 0.02729  | small nuclear ribonucleoprotein 70kDa    | NM_003089     | Hs.174051     | NP_003080     |
|        |          | polypeptide (RNP antigen) (SNRP70),      |               | -11           |               |
|        | ,        | mRNA /cds=(681,2525)                     |               | -             |               |
|        |          | /gb=NM_003089 /gi=4507118                |               |               |               |
|        |          | /ug=Hs.174051 /len=2693                  |               |               |               |
| 573    | 0.034378 | ancient ubiquitous protein 1 (AUP1),     | NM_012103     | Hs.173736     | NP_036235     |
|        |          | mRNA /cds=(69,1499) /gb=NM_012103        |               | ·X-           |               |
|        |          | /gi=6912259 /ug=Hs.173736 /len=1664      | *             |               |               |
| 574    | 0.013065 | mRNA for KIAA1274 protein, partial cds.  | AB033100      | Hs.300646     |               |
| ļ      | -        | /cds=(265,2850) /gb=AB033100             |               | {             | }             |
| -      |          | /gi=20521819 /ug=Hs.300646 /len=4569     |               |               |               |
| 605    | 0.044138 | integrin, alpha 5 (fibronectin receptor, | NM 002205     | Hs.149609     | NP 002196     |
| , ,    |          | alpha polypeptide) (ITGA5), mRNA         |               |               | -             |
|        | ,        | /cds=(24,3173) /gb=NM_002205             | -             | 8             |               |
|        |          | /gi=4504750 /ug=Hs.149609 /len=4204      | •             |               |               |
| 612    | 0.022485 | Finkel-Biskis-Reilly murine sarcoma      | NM_001997     | Hs.177415     | NP_001988     |
| · ·    |          | virus (FBR-MuSV) ubiquitously            | - 500         | 4             |               |
| 1      |          | expressed (fox derived); ribosomal       |               |               |               |
|        |          | protein S30 (FAU), mRNA                  | ·             | ļ.            |               |
|        |          | /cds=(106,507) /gb=NM_001997             |               |               |               |
|        |          | /gi=17981709 /ug=Hs.177415 /len=574      | 7. 3.         |               | 1             |
| L      |          |  | <u></u>       | <u> </u>      | L             |

| Spot | p-value  | Description  | Gene      | Unigene   | Protein       |
|------|----------|--|-----------|-----------|---------------|
|      | •        |  | Accession | Accession | Accession     |
|      |          |  | No.       | No.       | No.           |
| 615  | 0.020126 | cDNA FLJ11904 fis, clone                                   | AK021966  | Hs.285519 |               |
| *    |          | HEMBB1000048. /gb=AK021966                                 |           |           | G             |
|      |          | /gi=10433275 /ug=Hs.285519 /len=2134                       |           |           |               |
| 633  | 0.022485 | A kinase (PRKA) anchor protein 13                          | NM_007200 | Hs.301946 | NP_658913     |
| *    | . 0      | (AKAP13), transcript variant 2, mRNA                       | 3.        |           | -             |
| , .  | •        | /cds=(214,8655) /gb=NM_007200                              |           |           |               |
|      |          | /gi=21493028 /ug=Hs.301946<br>/len=10156                   |           |           |               |
| 645  | 0.042048 | hematopoietic-derived zinc fingerprotein (RefSeq aa 1e-48) | NP_004867 |           | ,             |
| 672  | 0.035996 | C-terminal binding protein 2 (CTBP2),                      | NM_022802 | Hs.171391 | NP_073713     |
|      |          | transcript variant 2, mRNA                                 | 7         |           |               |
| }    |          | /cds=(137,3094) /gb=NM 022802                              | * -       | *         |               |
|      |          | /gi=12746589 /ug=Hs,171391 /len=3780                       | *         | . 0       |               |
| L    |          |  |           |           |               |
| 726  | 0.031002 | tyrosine 3-monooxygenase/tryptophan 5-                     | NM_012479 | Hs.25001  | NP_036611     |
|      | •        | monooxygenase activation protein,                          |           |           |               |
|      |          | gamma polypeptide (YWHAG), mRNA                            |           |           |               |
|      | ,        | /cds=(192,935) /gb=NM_012479                               | *         | ,         | 9             |
| 1    |          | /gi=21464100 /ug=Hs.25001 /len=3747                        |           |           |               |
| 749  | 0.034378 | ribosomal protein S24 (RPS24),                             | NM 033022 | Hs.180450 | NP_148982     |
|      |          | transcript variant 1, mRNA                                 | 000022    | 110.100   | 111 _110002   |
|      | *        | /cds=(38,430) /gb=NM_033022                                |           |           |               |
|      |          | /gi=14916500 /ug=Hs.180450 /len=537                        | * (i)     |           | ·             |
|      |          |  |           |           |               |
| 779  | 0.012669 | myosin, heavy polypeptide 9, non-                          | NM_002473 | Hs.146550 | NP_002464     |
|      |          | muscle (MYH9), mRNA /cds=(1,5883)                          |           |           | <del></del> , |
| -    | <u> </u> | /gb=NM_002473 /gi=22507396                                 |           | ŀ         |               |
|      |          | /ug=Hs.146550 /len=7274                                    |           |           |               |
| 802  | 0.025072 | striated muscle contraction regulatory                     | M96843    | Hs.296811 |               |
|      |          | protein (Id2B) mRNA, complete cds.                         | •         |           |               |
|      | =        | /cds=(110,220) /gb=M96843 /gi=397775                       |           |           |               |
|      |          | /ug=Hs.296811 /len=1167                                    |           |           |               |
| 808  |          | PIX1 mRNA (ORF)  | AF037219  | 11 476 15 | NP_570854     |
| 809  | 0.020912 | methylcrotonoyl-Coenzyme A                                 | NM_020166 | Hs.47649  | NP_064551     |
|      | 1        | carboxylase 1 (alpha) (MCCC1), mRNA                        | ė ·       |           | *             |
|      | ·        | /cds=(133,2310) /gb=NM_020166                              | -         | ļ         |               |
|      |          | /gi=13518227 /ug=Hs.47649 /len=2528                        | Œ         |           |               |
| 833  | 0.042048 | NADH dehydrogenase (ubiquinone) 1                          | NM_002491 | Hs.109760 | NP_002482     |
|      |          | beta subcomplex, 3, 12kDa (NDUFB3),                        |           |           |               |
|      |          | mRNA /cds=(253,549) /gb=NM_002491                          |           | - 20      |               |
| - 0  |          | /gi=4505360 /ug=Hs.109760 /len=693                         | * =       |           |               |
|      | <u> </u> |  | *         |           |               |

| Spot              | p-value   | Description                             | Gene<br>Accession<br>No. | Unig ne<br>Accession<br>No. | Protein<br>Accession<br>No. |
|-------------------|-----------|---|--------------------------|-----------------------------|-----------------------------|
| 842               | 0.031002  | sema domain, immunoglobulin domain      | NM_012431                | Hs.212414                   | NP 036563                   |
| 012               | 0.001002  | (lg), short basic domain, secreted,     | 012401                   | 113.212414                  | 141 _030303                 |
|                   | 07        | (semaphorin) 3E (SEMA3E), mRNA          | e e e e                  |                             | Common to                   |
| -)(-              |           | /cds=(467,2794) /gb=NM_012431           |                          | ÷                           |                             |
|                   | tr '      | /gi=6912649 /ug=Hs.212414 /len=6474     |                          | 0                           | 300                         |
|                   |           | /gi=0012040/dg=113.212414/lcfi=04/4     |                          |                             |                             |
| 851               | 0.027906  | of89c05.s1 NCI CGAP Li5 cDNA clone      | AA894384                 | Hs.432123                   |                             |
|                   |           | IMAGE:1437512 3' similar to contains    | 7 100 100 1              | 110.102120                  |                             |
|                   |           | Alu repetitive element; mRNA            | . ~                      |                             |                             |
|                   |           | seguence /clone=IMAGE:1437512           |                          |                             |                             |
|                   | , .       | /clone_end=3' /gb=AA894384              |                          |                             |                             |
|                   |           | /gi=3030785 /ug=Hs.432123 /len=296      |                          |                             |                             |
|                   |           | /gi=00007007/dg=113.4021207/ei1=290     |                          |                             |                             |
| 877               | 0.027906  | ring finger protein 11 (RNF11), mRNA    | NM_014372                | Hs.96334                    | NP 055187                   |
| <b>.</b>          | 1.52,000  | /cds=(128,592) /gb=NM_014372            | 0 13072                  | 1,10.90094                  | _000107                     |
| P                 |           | /gi=7657519 /ug=Hs.96334 /len=2529      | * .                      |                             |                             |
| 885               | 0.031002  | mRNA for KIAA1350 protein, partial cds. | AB037771                 | Hs.101799                   | <del></del>                 |
| -                 | 0.001002  | /cds=(1,2737) /gb=AB037771              | 1.0007771                | 119.10 (799                 |                             |
|                   |           | /gi=7243080 /ug=Hs.101799 /len=4153     |                          | **                          | ن                           |
| ;                 |           |   |                          |                             |                             |
| 900               | 0.042048  | RAB11A, member RAS oncogene             | NM_004663                | Hs.75618                    | NP 004654                   |
|                   | 0.012010  | family (RAB11A), mRNA /cds=(104,754)    |                          | 1119.10010                  | 111 _004004                 |
|                   |           | /gb=NM_004663 /gi=20149549              |                          |                             |                             |
|                   |           | /ug=Hs.75618 /len=2474                  | ·                        | 9                           |                             |
|                   |           | 1                                       |                          |                             |                             |
| 902               | 0.01798   | H2A histone family, member Z (H2AFZ),   | NM 002106                | Hs.119192                   | NP 002097                   |
|                   |           | mRNA /cds=(107,493) /gb=NM_002106       |                          |                             | 902007                      |
|                   |           | /gi=20336749 /ug=Hs.119192 /len=873     |                          | -                           | 1                           |
|                   |           | 10   10   10   10   10   10   10   10   |                          | i                           |                             |
| 903               | 0.038054  | S100 calcium binding protein A10        | NM 002966                | Hs.400250                   | NP 002957                   |
|                   |           | (annexin II ligand, calpactin I, light  | 002000                   | 1,0.190200                  | 002001                      |
|                   | . '       | polypeptide (p11)) (S100A10), mRNA      |                          |                             |                             |
|                   |           | /cds=(112,405) /gb=NM 002966            |                          |                             |                             |
|                   |           | /gi=4506760 /ug=Hs.400250 /len=649      | ,                        |                             |                             |
| 918               | 0.022485  | AGENCOURT 6456859 NIH MGC 92            | BM466169                 | Hs.439148                   |                             |
| 0,0               | 9.022.100 | cDNA clone IMAGE:5576908 5', mRNA       | BIII 100 100             | 17.0100 1710                | <b>\</b> .                  |
|                   |           | sequence /clone=IMAGE:5576908           |                          |                             |                             |
|                   |           | /clone_end=5' /gb=BM466169              |                          | }                           | -)(                         |
| ,                 | ļ         | /gi=18515211 /ug=Hs.439148 /len=1150    | ω                        |                             | į                           |
|                   |           |   |                          | . :                         | -                           |
| 925               | 0.00772   | OGT(O-Glc-NAc transferase)-             | NM 014965                | Hs.6705                     | NP_055780                   |
| , ,               |           | interacting protein 106 KDa (OIP106),   | 0 , 10,00                | 1.5.5. 50                   |                             |
| - 0               |           | mRNA /cds=(217,3078)                    | 2                        | <i>'</i>                    | -00                         |
|                   | }         | /gb=NM 014965 /gi=7662457               |                          | 214                         |                             |
|                   |           | /ug=Hs.6705 /len=5109                   | )                        |                             |                             |
| 941               | 0.038054  | polybromo 1 (PB1), mRNA                 | NM_018165                | Hs.44143                    | NP_060783                   |
| J <del>-7</del> 1 | 0.000004  | /cds=(15,935) /gb=NM_018165             | 14101_010100             | 110,77 140                  | _000763                     |
|                   |           | /gi=8922564 /ug=Hs.44143 /len=3131      |                          | ·                           |                             |
|                   | L         | 1/91-0022004 /ug-115.44 140 /ICH-010 [  | L                        | <u> </u>                    |                             |

| Spot   | p-value       | Description                             | Gene      | Unigene   | Protein   |
|--------|---------------|---|-----------|-----------|-----------|
|        |               |   | Accession | Accession | Accession |
|        | -             |   | No.       | No.       | No.       |
| 952    | 0.01798       | mRNA; cDNA DKFZp451O194 (from           | AL832029  | Hs.22559  |           |
|        |               | clone DKFZp451O194) /gb=AL832029        |           |           |           |
| 5 T 19 |               | /gi=21732569 /ug=Hs.22559 /len=5226     |           | 1         |           |
|        |               |   |           |           |           |
| 953    | 0.04638       | mRNA for KIAA0592 protein, partial cds. | AB011164  | Hs.439367 | •         |
|        |               | /cds=(1,4062) /gb=AB011164              | ,         |           |           |
|        | 11.           | /gi=3043707 /ug=Hs.439367 /len=4623     |           | ,         | 11.1      |
|        |               |   |           |           |           |
| 961    | 0.042048      | SON DNA binding protein (SON),          | NM_058183 | Hs.92909  | NP_620305 |
|        | -             | transcript variant e, mRNA              |           |           |           |
| : : :  | 1.0           | /cds=(50,6376) /gb=NM_058183            |           |           |           |
|        |               | /gi=21040317 /ug=Hs.92909 /len=8482     |           |           |           |
|        |               |   |           |           |           |
| 966    | 0.031002      | CGI-81 protein (DREV1), mRNA            | NM_016025 | Hs.279583 | NP_057109 |
|        |               | /cds=(249,1100) /gb=NM_016025           | -         |           |           |
|        |               | /gi=19923448 /ug=Hs.279583 /len=3163    | - 3       |           |           |
|        |               |   |           | *         |           |
| 973    | 0.02015       | heat shock factor binding protein 1     | NM_001537 | Hs.250899 | NP_001528 |
|        |               | (HSBP1), mRNA /cds=(55,285)             | :         |           |           |
|        |               | /gb=NM_001537 /gi=4557646               |           | *         |           |
| Υ .    |               | /ug=Hs.250899 /len=547                  |           |           |           |
| 987    | 0.038054      | brain protein 44-like (BRP44L), mRNA    | NM_016098 | Hs.108725 | NP_057182 |
| !      |               | /cds=(123,452) /gb=NM_016098            |           |           |           |
|        |               | /gi=7706368 /ug=Hs.108725 /len=988      |           |           |           |
| 995    | 0.034378      | homeodomain-interacting protein kinase  | NM_005734 | Hs.30148  | NP_005725 |
| !      |               | 3 (HIPK3), mRNA /cds=(5,3652)           | ,         |           |           |
|        | ,             | /gb=NM_005734 /gi=11386208              | ·         |           | *         |
| •      |               | /ug=Hs.30148 /len=3723                  | ]         | :         |           |
|        |               |   |           |           |           |
| 1040   | 0.042048      | NADH dehydrogenase (ubiquinone) 1       | NM_004546 | Hs.198272 | NP_004537 |
|        |               | beta subcomplex, 2, 8kDa (NDUFB2),      |           |           |           |
|        |               | mRNA /cds=(58,375) /gb=NM_004546        |           | l<br>t    |           |
|        |               | /gi=4758777 /ug=Hs.198272 /len=494      |           |           |           |
| 1043   | 0.038054      | mRNA for KIAA1376 protein, partial cds. | AB037797  | Hs.24684  |           |
|        |               | /cds=(144,1457) /gb=AB037797            | 7         | ŀ         |           |
|        |               | /gi=7243132 /ug=Hs.24684 /len=4131      |           |           |           |
| 1044   | 0.005949      | par-3 partitioning defective 3 (C.      | NM_019619 | Hs.72249  | NP_062565 |
|        |               | elegans) (PARD3), mRNA                  |           |           |           |
|        | ] . · · · · · | /cds=(1,4071) /gb=NM_019619             |           |           | ]         |
| - "    | * .           | /gi=21361830 /ug=Hs.72249 /len=4071     |           |           |           |
| 4000   | 0.04005       |   |           |           |           |
| 1062   | 0.04638       | filamin B, beta (actin binding protein  | NM_001457 | Hs.81008  | NP_001448 |
|        | J.            | 278) (FLNB), mRNA /cds=(132,7940)       |           |           | ]         |
|        |               | /gb=NM_001457 /gi=4503746               |           |           |           |
|        | L             | /ug=Hs.81008 /len=9432                  |           | , ,       |           |

| Spot     | p-value                               | Description   | Gene              | Unigene    | Protein                               |
|----------|---------------------------------------|---|-------------------|------------|---------------------------------------|
| ı        |                                       |   | Accession         | Accession  | Accession                             |
|          |                                       |   | No.               | No.        | No.                                   |
| 1065     | 0.027906                              | cytochrome c oxidase subunit VIa                    | NM_005205         | Hs.250760  | NP_005196                             |
|          |                                       | polypeptide 2 (COX6A2), nuclear gene                |                   |            |                                       |
|          |                                       | encoding mitochondrial protein, mRNA                |                   | -          |                                       |
|          |                                       | /cds=(76,369) /gb=NM_005205                         |                   | ·          |                                       |
|          |                                       | /gi=17999529 /ug=Hs.250760 /len=425                 | 1)()              | * 5        |                                       |
| er p     |                                       |   |                   |            |                                       |
| 1066     | 0.038054                              | hypothetical protein FLJ20452                       | NM_017828         | Hs.351327  | NP_060298                             |
|          |                                       | (FLJ20452), mRNA /cds=(15,614)                      |                   |            |                                       |
|          |                                       | /gb=NM_017828 /gi=21361660                          |                   | ·/·        |                                       |
|          |                                       | /ug=Hs.351327 /len=1948                             |                   |            |                                       |
| 1068     | 0.025072                              | UPF3 regulator of nonsense transcripts              | NM_023011         | Hs.399740  | NP_542418                             |
|          |                                       | A (yeast) (UPF3A), transcript variant 1,            |                   | ± .        |                                       |
|          | 1                                     | mRNA /cds=(38,1468) /gb=NM_023011                   |                   | 00-11      | · · · · · · · · · · · · · · · · · · · |
| -        |                                       | /gi=18375523 /ug=Hs.399740 /len=2381                |                   | ļ          |                                       |
|          |                                       |   | · 8-              | 1          | *                                     |
| 460      | 0.00 10==                             | 1   | 111 4 10 0 1 1 == | 11 4 25 22 |                                       |
| 1084     | 0.034378                              | ADP-ribosylation factor-like 1 (ARL1),              | NM_001177         | Hs.242894  | NP_001168                             |
|          | ,                                     | mRNA /cds=(105,650) /gb=NM_001177                   |                   |            | T                                     |
|          |                                       | /gi=4755126 /ug=Hs.242894 /len=968                  | ,                 | 1.7        | * ;                                   |
| 4000     | 0.004000                              |   | VIV. 040447       | 11 00004   | ND 057004                             |
| 1090     | 1.0.031002                            | protein phosphatase methylesterase-1                | NM_016147         | Hs.63304   | NP_057231                             |
| ľ .      |                                       | (PME-1), mRNA /cds=(100,1260)                       | * *:              |            |                                       |
|          | ) n                                   | /gb=NM_016147 /gi=7706644                           |                   |            | -                                     |
| 1148     | 0.024270                              | /ug=Hs.63304 /len=2484                              | 007405            |            | 1 1                                   |
| 1140     | 0.034376                              | CHLORIDE INTRACELLULAR                              | Q9Z1Q5            | ()         |                                       |
|          |                                       | CHANNEL PROTEIN 1 (NUCLEAR CHLORIDE ION CHANNEL 27) |                   |            |                                       |
|          |                                       | (NCC27) (P64 CLCP) (aa 2e-14 92%)                   |                   |            |                                       |
| 1149     | 0.012660                              | fibroblast growth factor receptor 1 (fms-           | NM 023109         | Hs.748     | NP_075599                             |
| 1173     | 0.012003                              | related tyrosine kinase 2, Pfeiffer                 |                   | 1113.740   | 141 _07 3333                          |
|          |                                       | syndrome) (FGFR1), transcript variant               |                   |            |                                       |
|          | · · · · · · · · · · · · · · · · · · · | 7, mRNA /cds=(727,2715)                             |                   |            |                                       |
|          | 1                                     | /gb=NM_023109 /gi=13186244                          | · ·               |            | s. 5                                  |
|          |                                       | /ug=Hs.748 /len=4066                                |                   |            |                                       |
| 1164     | 0.034378                              | suppressor of Ty 5 (S. cerevisiae)                  | NM 003169         | Hs.70186   | NP_003160                             |
|          |                                       | (SUPT5H), mRNA /cds=(208,3471)                      |                   |            |                                       |
|          |                                       | /gb=NM_003169 /gi=20149523                          |                   | ·          |                                       |
|          | *                                     | /ug=Hs.70186 /len=3762                              |                   | * *        |                                       |
| 1171     | 0.025072                              | integrin, beta 1 (fibronectin receptor,             | NM 002211         | Hs.287797  | NP_596867                             |
|          |                                       | beta polypeptide, antigen CD29 includes             |                   |            | <del>-</del>                          |
| 0        |                                       | MDF2, MSK12) (ITGB1), transcript                    | *                 |            |                                       |
| ,        |                                       | variant 1A, mRNA /cds=(127,2523)                    |                   |            |                                       |
|          |                                       | /gb=NM_002211 /gi=19743812                          |                   | 77         |                                       |
|          |                                       | /ug=Hs.287797 /len=3700                             |                   | . 1        |                                       |
| <u> </u> | ×                                     |   |                   |            |                                       |
| 1180     | 0.006784                              | complement component 2 (C2), mRNA                   | NM_000063         | Hs.2253    | NP_000054                             |
|          |                                       | /cds=(37,2295) /gb=NM_000063                        | <u>'</u>          |            | *                                     |
|          | I                                     | /gi=20631970 /ug=Hs.2253 /len=2609                  |                   | . "        | . *                                   |
|          | 1                                     | 1 7   |                   |            | 1                                     |

| Spot | p-value    | D scription  | Gene                                    | Unigene   | Protein     |
|------|------------|--|---|-----------|-------------|
| * ,  |            |  | Accession                               | Accession | Accession   |
| • •  | · ·        |  | No.                                     | No.       | No.         |
| 1184 | 0.009931   | mannosidase, alpha, class 1A, member                             | NM_006699                               | Hs 367638 | NP_006690   |
|      | 48         | 2 (MAN1A2), mRNA /cds=(521,2446)                                 |   |           |             |
|      |            | /gb=NM_006699 /gi=5729912  |   |           |             |
|      |            | /ug=Hs.367638 /len=2792  |   |           | *           |
| 1185 | 0.027906   | novel protein AHNAK mRNA, partial                                | M80899                                  | Hs.381240 |             |
|      |            | sequence. /cds=(1,3836) /gb=M80899                               |   | ).        | * - Ye .    |
| *    | ,          | /gi=178282 /ug=Hs.381240 /len=4051                               |   |           |             |
| 1186 | 0.031002   | ankylosis, progressive (mouse) (ANKH),                           | NM_054027                               | Hs.168640 | NP_473368   |
|      |            | transcript variant 2, mRNA                                       |   |           |             |
| ·    |            | /cds=(265,1743) /gb=NM_054027                                    | - X-                                    | * * *     | 1           |
|      |            | /gi=21536394 /ug=Hs.168640 /len=4031                             | a                                       | •         | .           |
| 3000 |            |  | VV. 600500                              |           |             |
| 1200 | 0.014265   | hypothetical gene supported by                                   | XM_000590                               |           |             |
| 1004 | 0.004270   | XM_000590 (LOC59176)   | NIM O4E4CO                              | 11-04600  | ND 050004   |
| 1201 | 0.034378   | DKFZp564D177 protein<br>(DKFZp564D177), mRNA                     | NM_015469                               | Hs.24608  | NP_056284   |
| l    | }          | /cds=(106,849) /gb=NM_015469                                     |   |           |             |
|      | = 6        | /gi=22267435 /ug=Hs.24608 /len=1664                              | *                                       | -11       |             |
|      |            | /gi=222074357dg=115.24006/1eft=1004                              |   |           |             |
| 1206 | 0.042048   | ATP synthase, H transporting,                                    | NM 005174                               | Hs.155433 | NP 005165   |
| 1200 | 0.5 129 15 | mitochondrial F1 complex, gamma                                  |   |           |             |
|      | 0          | polypeptide 1 (ATP5C1), mRNA                                     |   |           | * *         |
|      |            | /cds=(32,925) /gb=NM_005174                                      |   |           | -           |
|      |            | /gi=4885078 /ug=Hs 155433 /len=1078                              | <b>\</b>                                |           |             |
|      |            |  |   | *         |             |
| 1210 | 0.025072   | NADH dehydrogenase (ubiquinone) Fe-                              | NM_005006                               | Hs.8248   | NP_004997   |
|      |            | S protein 1, 75kDa (NADH-coenzyme Q                              |   |           |             |
| ĺ    |            | reductase) (NDUFS1), mRNA  | . *                                     | • •       | 1           |
| ļ    |            | /cds=(85,2268) /gb=NM_005006                                     |   |           | Į.          |
|      |            | /gi=28269700 /ug=Hs.8248 /len=2382                               |   |           |             |
| 1213 | 0.04638    | heat shock 10kDa protein 1 (chaperonin                           | NM_002157                               | Hs.1197   | NP_002148   |
|      |            | 10) (HSPE1), mRNA /cds=(42,350)                                  |   |           |             |
|      |            | //gb=NM_002157 /gi=4504522                                       | ·                                       |           | <b>,</b>    |
| 1214 | 0.005000   | /ug=Hs.1197 /len=538   | 1 | Ho 13650  | <del></del> |
| 1214 | 0.005206   | mRNA; cDNA DKFZp586F2423 (from clone DKFZp586F2423) /gb=AL080209 | AL080209                                | Hs.13659  |             |
|      | j          | /gi=5262698 /ug=Hs.13659 /len=4254                               | 10                                      |           |             |
|      |            | /g -5262696 /ug=Hs. 13659 /le11-4254                             | *                                       |           | . /.        |
| 1217 | 0.016031   | DKFZp586F1918 (from clone  | AL050091                                | -         | NP_056347   |
| '-'  | \$.5.0001  | DKFZp586F1918); partial cds                                      |   |           |             |
| 1220 | 0.008765   | mRNA; cDNA DKFZp547C244 (from                                    | AL442093                                | Hs.9460   | <u> </u>    |
|      |            | clone DKFZp547C244) /gb=AL442093                                 |   |           |             |
|      |            | /gi=10241768 /ug=Hs.9460 /len=2537                               |   |           | •           |
| 1227 | 0.020126   | integral inner nuclear membrane protein                          | NM_014319                               | Hs.7256   | NP_055134   |
|      |            | (MAN1), mRNA /cds=(7,2742)                                       |   |           |             |
| 1    | ٠,         | /gb=NM_014319 /gi=7706606  |   |           |             |
|      |            | /ug=Hs.7256 /len=4703  | <u> </u>                                |           |             |

| Spot  | p-value  | D scription  | G ne         | Unigene    | Protein   |
|-------|----------|--|--------------|------------|-----------|
|       |          | *  | Accession    | Acc ssion  | Accession |
| 100   | *        |  | No.          | No.        | No.       |
| 1238  | 0.031002 | mRNA for KIAA1673 protein, partial cds.                          |              | Hs.301444  | * -       |
|       |          | /cds=(69,2207) /gb=AB051460                                      | .,           |            |           |
|       | 100      | /gi=12697890 /ug=Hs.301444 /len=6380                             |              |            |           |
|       |          |  |              |            |           |
| 1242  | 0.014265 | programmed cell death 4 (neoplastic                              | NM_145341    | Hs.326248  | NP_663314 |
| u,    |          | transformation inhibitor) (PDCD4),                               |              |            |           |
|       | • *      | transcript variant 2, mRNA                                       |              | 5 m        |           |
| } .   |          | /cds=(361,1737) /gb=NM_145341                                    |              |            |           |
|       |          | /gi=21735597 /ug=Hs.326248 /len=2403                             |              |            |           |
| 1250  | 0.005206 | nuclear protein, ataxia-telangiectasia                           | NM_002519    | Hs.89385   | NP_002510 |
| 1230  | 0.000200 | locus (NPAT), mRNA /cds=(35,4318)                                | 14141_002519 | 118.09300  | NF_002510 |
|       | -        | /gb=NM_002519 /gi=4505430  |              | * *        |           |
|       |          | /ug=Hs.89385 /len=5895   |              | * *        |           |
| 1255  | 0.014265 | protein inhibitor of activated STAT, 1                           | NM_016166    | Hs.75251   | NP 057250 |
|       |          | (PIAS1), mRNA /cds=(97,2052)                                     |              |            |           |
| * = * |          | /gb=NM_016166 /gi=7706636  | *            | ÷ :        |           |
|       |          | /ug=Hs.75251 /len=2309   |              |            |           |
| 1261  | 0.010197 | cDNA FLJ11971 fis, clone   | AK022033     | Hs.121806  |           |
| *     |          | HEMBB1001208. /gb=AK022033                                       | 4            |            |           |
|       |          | /gi=10433350 /ug=Hs.121806 /len=2355                             | *            |            |           |
| 122   |          |  |              |            |           |
| 1281  | 0.020912 | tripartite motif-containing 44 (TRIM44),                         | NM_017583    | Hs.14512   | NP_060053 |
| ļ.    | ·        | mRNA /cds=(217,1251)   |              |            |           |
| *     | ,        | /gb=NM_017583 /gi=21361638<br>/ug=Hs.14512 /len=3091             |              | * + + ()   | *         |
| 1306  | 0.039896 | poly(A) binding protein, cytoplasmic 1                           | NM_002568    | Hs.172182  | NP_002559 |
| 1000  | 0.000000 | (PABPC1), mRNA /cds=(503,2404)                                   | 11111_002000 | 113.172102 | _002000   |
|       |          | /gb=NM_002568 /gi=4505574  |              |            |           |
| ٠.    |          | /ug=Hs.172182 /len=2848  |              |            | a *       |
| 1309  | 0.04638  | oxysterol binding protein-like 11                                | NM_022776    | Hs.61260   | NP_073613 |
| 1.4.  |          | (OSBPL11), mRNA /cds=(306,2549)                                  | 207          | •          | _         |
|       | · .      | /gb=NM_022776 /gi=23111058                                       |              |            |           |
|       |          | /ug=Hs.61260 /len=4206   |              |            | `         |
| 1335  | 0.013065 | hypothetical protein MGC11316                                    | NM_032932    | Hs.7985    | NP_116321 |
|       |          | (MGC11316), mRNA /cds=(116,226)                                  |              |            | · ·       |
|       | 8        | /gb=NM_032932 /gi=14249729                                       |              |            |           |
| 4220  | 0.04000  | /ug=Hs.7985 /len=781   | 11.000057    | 11-00550   | NE 055007 |
| 1336  | 0.04638  | Novel mRNA from chromosome 1,                                    | AL096857     | Hs.69559   | NP_055987 |
|       |          | which has similarities to BAT2 genes /cds=(58,8163) /gb=AL096857 |              | *          |           |
|       |          | //gi=5541862 /ug=Hs.69559 /len=10174                             |              |            |           |
| -)(-  |          | /gi=3041002/ug=113.03003/icii=10174                              |              |            | 1         |
| 1338  | 0.014265 | anti-oxidant protein 2 (non-selenium                             | NM_004905    | Hs.120     | NP_004896 |
|       |          | glutathione peroxidase, acidic calcium-                          |              |            |           |
|       |          | independent phospholipase A2)                                    |              |            |           |
|       |          | (AOP2), mRNA /cds=(44,718)                                       | ~            | *          | *         |
| 1     |          | /gb=NM_004905 /gi=4758637  | *            |            |           |
|       |          | /ug=Hs.120 /len=1653   |              |            |           |

| Spot   P-value   Description   Gene   Accession   Accession   No.   No |     |
|--|-----|
| No.  |     |
| 1339   0.031002   FLJ20398 fis, clone KAT00580, highly similar to M35604 Human glucose-6-phosphate dehydrogenase /cds=UNKNOWN /gb=AK000405 /gi=7020471 /ug=Hs.76480 /len=2342 (=FLN, =66PD, =ubiquitin-like protein (GdX))   | on  |
| similar to M35604 Human glucose-6-phiosphate dehydrogenase   | OFO |
| phosphate dehydrogenase   /cds=UNKNOWN /gb=AK000405   /gi=7020471 /ug=Hs.76480 /len=2342   (=FLN, =G6PD, =ubiquitin-like protein (GdX))  | υου |
| /cds=UNKNOWN /gb=AK000405   /gi=7020471 /ug=Hs.76480 /len=2342 (=FLN, =G6PD, =ubiquitin-like protein (GdX))  | •   |
| /gi=7020471 /ug=Hs.76480 /len=2342 (=FLN, =G6PD, =ubiquitin-like protein (GdX))   1342   |     |
| (=FLN, =G6PD, =ubiquitin-like protein (GdX))  1342   |     |
| Comparison   Com | Э.  |
| 1342   | -   |
| moderately similar to KINESIN LIGHT  |     |
| CHAIN /cds=UNKNOWN /gb=AK055293 /gi=16549995 /ug=Hs.53447 /len=2770  | 352 |
| /gb=AK055293 /gi=16549995   /ug=Hs.53447 /len=2770   |     |
| Nug=Hs.53447 /len=2770   | •   |
| 1345   0.04638   WW domain binding protein 1 (WBP1), mRNA /cds=(154,963) /gb=NM_012477 /gi=24430130 /ug=Hs.7709 /len=1183   NM_012477   Hs.7709   NP_0366     1355   0.032415   FLJ13418 fis, clone PLACE1002090, highly similar to SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (AK023480.1)   RECOGNITION PARTICLE 72 KD PROTEIN (AK023480.1)   NM_153649   Hs.85844   NP_7056   NP_036 |     |
| mRNA /cds=(154,963) /gb=NM_012477 /gi=24430130 /ug=Hs.7709 /len=1183   |     |
| /gi=24430130 /ug=Hs.7709 /len=1183   | 609 |
| 1355   0.032415   FLJ13418 fis, clone PLACE1002090, highly similar to SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (AK023480.1)   1358   0.034378   tropomyosin 3 (TPM3), mRNA /cds=(52,798) /gb=NM_153649 /gi=24119202 /ug=Hs:85844 /len=2089   NM_153649   Hs.85844   NP_7057   NP_057    |     |
| highly similar to SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (AK023480.1)  1358  0.034378 tropomyosin 3 (TPM3), mRNA /cds=(52,798) /gb=NM_153649 /gi=24119202 /ug=Hs.85844 /len=2089  1360  0.005206 chromosome 15 open reading frame 15 (C15orf15), mRNA /cds=(144,635) /gb=NM_016304 /gi=18491027 /ug=Hs.284162 /len=1487  1362  0.01798 ADP-ribosylation factor related protein 1 (ARFRP1), mRNA /cds=(12,617) /gb=NM_003224 /gi=4507448 /ug=Hs.389277 /len=1559  1366  0.016031 Rho guanine nucleotide exchange factor NM_019555 Hs.25951 NP_062  |     |
| highly similar to SIGNAL RECOGNITION PARTICLE 72 KD PROTEIN (AK023480.1)  1358  0.034378 tropomyosin 3 (TPM3), mRNA /cds=(52,798) /gb=NM_153649 /gi=24119202 /ug=Hs.85844 /len=2089  1360  0.005206 chromosome 15 open reading frame 15 (C15orf15), mRNA /cds=(144,635) /gb=NM_016304 /gi=18491027 /ug=Hs.284162 /len=1487  1362  0.01798 ADP-ribosylation factor related protein 1 (ARFRP1), mRNA /cds=(12,617) /gb=NM_003224 /gi=4507448 /ug=Hs.389277 /len=1559  1366  0.016031 Rho guanine nucleotide exchange factor NM_019555 Hs.25951 NP_062  | *   |
| RECOGNITION PARTICLE 72 KD PROTEIN (AK023480.1)  1358  | 878 |
| PROTEIN (AK023480.1)  1358   |     |
| 1358   |     |
| /cds=(52,798) /gb=NM_153649 /gi=24119202 /ug=Hs:85844 /len=2089  1360  |     |
| /gi=24119202 /ug=Hs.85844 /len=2089  1360  | 935 |
| 1360 0.005206 chromosome 15 open reading frame 15 NM_016304 Hs.284162 NP_0578 (C15orf15), mRNA /cds=(144,635) /gb=NM_016304 /gi=18491027 /ug=Hs.284162 /len=1487  1362 0.01798 ADP-ribosylation factor related protein 1 NM_003224 Hs.389277 NP_0038 (ARFRP1), mRNA /cds=(12,617) /gb=NM_003224 /gi=4507448 /ug=Hs.389277 /len=1559  1366 0.016031 Rho guanine nucleotide exchange factor NM_019555 Hs.25951 NP_0628   |     |
| (C15orf15), mRNA /cds=(144,635) /gb=NM_016304 /gi=18491027 /ug=Hs.284162 /len=1487  1362  0.01798  | •   |
| (C15orf15), mRNA /cds=(144,635) /gb=NM_016304 /gi=18491027 /ug=Hs.284162 /len=1487  1362  0.01798  |     |
| /gb=NM_016304 /gi=18491027 /ug=Hs.284162 /len=1487  1362   | 388 |
| /ug=Hs.284162 /len=1487  |     |
| 1362 0.01798 ADP-ribosylation factor related protein 1 NM_003224 Hs.389277 NP_003:  (ARFRP1), mRNA /cds=(12,617) /gb=NM_003224 /gi=4507448 /ug=Hs.389277 /len=1559  1366 0.016031 Rho guanine nucleotide exchange factor NM_019555 Hs.25951 NP_0624  |     |
| (ARFRP1), mRNA /cds=(12,617)<br>/gb=NM_003224 /gi=4507448<br>/ug=Hs.389277 /len=1559<br>1366 0.016031 Rho guanine nucleotide exchange factor NM_019555 Hs.25951 NP_062   |     |
| /gb=NM_003224 /gi=4507448<br>/ug=Hs.389277 /len=1559<br>1366    0.016031   Rho guanine nucleotide exchange factor   NM_019555   Hs.25951   NP_0624   | 215 |
| /ug=Hs.389277 /len=1559  |     |
| 1366   0.016031   Rho guanine nucleotide exchange factor   NM_019555   Hs.25951   NP_0624  |     |
|  |     |
| I I I(GEE) 3 (ARHGEE3) mRNA I I I  | 455 |
|  |     |
| /cds=(128,1708) /gb=NM_019555  |     |
| /gi=9506400 /ug=Hs.25951 /len=3561   |     |
| 1373   0.016031   hypothetical protein MGC14421   NM_032907   Hs.334713   NP_116   | 296 |
| (MGC14421), mRNA /cds=(474,1616)   |     |
| /gb=NM_032907 /gi=14249681   |     |
| /ug=Hs.334713 /len=1772  |     |
| 1376   0.008765   chaperonin containing TCP1, subunit 5   NM_012073   Hs.1600   NP_036   | 205 |
| (epsilon) (CCT5), mRNA /cds=(92,1717)  |     |
| /gb=NM_012073 /gi=24307938   |     |
| /ug=Hs.1600 /len=1961  |     |
| 1386 0.020912 AGENCOURT_6424254 NIH_MGC_67 BM479954 Hs.381243  |     |
| cDNA clone IMAGE:5491531 5', mRNA  |     |
| sequence /clone=IMAGE:5491531  |     |
| /clone_end=5' /gb=BM479954   |     |
| /gi=18528996 /ug=Hs.381243 /len=1112   |     |
|  |     |

| Spot  | p-value  | D scription   | Gene         | Unigene                                       | Protein               |
|-------|----------|---|--------------|---|-----------------------|
|       |          |   | Accession    | Accession                                     | Accession             |
|       |          |   | No.          | No.   | No.                   |
| 1396  | 0.01798  | enoyl Coenzyme A hydratase 1,                                     | NM_001398    | Hs.196176                                     | NP 001389             |
|       | *        | peroxisomal (ECH1), mRNA  |              | -8  | 7. T                  |
| •     |          | /cds=(28,1014) /gb=NM_001398                                      |              | - 1 <u>                                  </u> | le e e erzei          |
|       |          | /gi=4503446 /ug=Hs.196176 /len=1196                               |              |   |                       |
|       | · ·      |   |              |   | (a)                   |
| 1403  | 0.014265 | potassium voltage-gated channel, KQT-                             | NM_004518    | Hs.4975                                       | NP_742107             |
| E     |          | like subfamily, member 2 (KCNQ2),                                 |              | ·   |                       |
|       |          | transcript variant 3, mRNA  |              |   | •                     |
|       | *        | /cds=(178,2712) /gb=NM_004518                                     | * *          |   |                       |
| _     | -        | /gi=26051259 /ug=Hs.4975 /len=7556                                |              |   |                       |
| 1413  | 0.031002 | vacuolar protein sorting 29 (yeast)                               | NM_057180    | Hs.69192                                      | NP_476528             |
|       | ,        | (VPS29) transcript variant 2, mRNA                                |              |   | , ,                   |
| . * * |          | /cds=(61,621) /gb=NM_057180                                       | 1            |   |                       |
|       |          | /gi=17402911 /ug=Hs.69192 /len=1107                               | -8-          |   |                       |
|       |          |   |              |   |                       |
| 1419  | 0.027906 | CD74 antigen (invariant polypeptide of                            | NM_004355    | Hs.84298                                      | NP_004346             |
| ļ     |          | major histocompatibility complex, class                           |              |   |                       |
|       |          | II antigen-associated) (CD74), mRNA                               |              | * = 1   |                       |
|       |          | /cds=(8,706) /gb=NM_004355  |              |   | ь <sub>—————</sub>    |
| -     |          | /gi=10835070 /ug=Hs.84298 /len=1304                               |              |   |                       |
|       |          |   |              |   |                       |
| 1503  | 0.04638  | retrovirus-related leucine zipper protein                         | 138587       |   |                       |
| 4546  | 0.00-0-0 | p40 - human retrotransposon L1.1                                  |              |   |                       |
| 1540  | 0.025072 | ribosomal protein S4, X-linked (RPS4X),                           | NM_001007    | Hs.389933                                     | NP_000998             |
| 1     |          | mRNA /cds=(36,827) /gb=NM_001007                                  | ,            | - 30 -  |                       |
|       |          | /gi=17981705 /ug=Hs.389933 /len=916                               |              |   |                       |
| 1557  | 0.024270 | MD2 CI0406 204400 040 -00 CI0406                                  | BF814502     | 17- 440504                                    |                       |
| 1557  | 0.034376 | MR2-CI0186-291100-010-a06 CI0186 cDNA, mRNA sequence /gb=BF814502 | BF614302     | Hs.446594                                     |                       |
|       |          | /gi=12147047 /ug=Hs.446594 /len=530                               | *            | ·   |                       |
|       |          | /g = 12 147047 /ug=Hs.446594 /lef1=550<br>                        |              |   |                       |
| 1559  | 0.025072 | stromal cell derived factor receptor 1                            | NM_012428    | Hs.389371                                     | NP 059429             |
| 1005  | Q.023072 | (SDFR1), transcript variant beta, mRNA                            | 14141_012420 | 118.509571                                    | 141059429             |
| . (   |          | /cds=(139,1335) /gb=NM_012428                                     |              |   |                       |
|       | de       | /gi=6912645 /ug=Hs.389371 /len=2388                               |              |   |                       |
| ,     |          | 19. 33.123.13.13g 110.33331 1 /16.11 2333                         | 7            |   |                       |
| 1564  | 0.027906 | quiescin Q6 (QSCN6), mRNA   | NM 002826    | Hs.77266                                      | NP_002817             |
|       |          | /cds=(76,2319) /gb=NM_002826                                      |              |   | · · · · - · · · · · · |
|       |          | /gi=13325074 /ug=Hs.77266 /len=3314                               | » ·          |   | ů.                    |
|       | X *      |   | 200          |   |                       |
| 1579  | 0.031002 | chromosome 14 open reading frame                                  | NM_018229    | Hs.106210                                     | NP_060699             |
|       |          | 108 (C14orf108), mRNA   | -            |   | 7                     |
| ļ.,   |          | /cds=(407,1879) /gb=NM_018229                                     | e            |   |                       |
|       |          | /gi=21361775 /ug=Hs.106210 /len=3088                              |              | "   | 8                     |
|       |          |   |              |   | -0_0                  |
| 1586  | 0.020126 | KIAA1665 protein, partial cds                                     | AB051452     | Hs.300463                                     | NP_612211             |
|       |          | /cds=UNKNOWN /gb=AB051452   |              |   |                       |
|       |          | /gi=13359202 /ug=Hs.300463 /len=4311                              |              | ·   |                       |
|       |          |   |              |   |                       |

| Spot        | p-value    | Description   | Gene          | Unigene                               | Protein     |
|-------------|------------|---|---------------|---------------------------------------|-------------|
|             |            |   | Accession     | Accession                             | Accession   |
|             |            |   | No.           | No.                                   | No.         |
| 1596        | 0.042048   | mRNA for KIAA1824 protein, partial cds.                               | AB058727      | Hs.284294                             |             |
| ٠,          |            | /cds=(7,2883) /gb=AB058727  |               |                                       |             |
|             |            | /gi=14017864 /ug=Hs.284294 /len=5814                                  |               |                                       | * 1         |
| 4507        | 0.00704    | A-T-5   | 1114 004004   |                                       | 115 001005  |
| 1597        | 0.006784   | ATPase, H transporting, lysosomal 16kDa, V0 subunit c (ATP6V0C), mRNA | NM_001694     | Hs.389107                             | NP_001685   |
|             |            | /cds=(153,620) /gb=NM 001694  | ~             |                                       |             |
| . *         |            | /gi=19913436 /ug=Hs.389107 /len=1126                                  | • •           |                                       | ***         |
|             |            | , g. 100 10 10 10 10 10 10 10 10 10 10 10 10                          |               |                                       |             |
| 1621        | 0.034378   | mRNA for KIAA1856 protein, partial cds.                               | AB058759      | Hs.381163                             |             |
|             |            | /cds=(1,3405) /gb=AB058759  |               |                                       | -           |
|             |            | /gi=14017928 /ug=Hs.381163 /len=5223                                  | * . *         |                                       |             |
| 1000        |            |   | *             | 20 2 2 2 2 2                          |             |
| 1637        | 0.034378   |   | NM_001020     | Hs.397609                             | NP_001011   |
| ٠,          | ·          | /cds=(53,493) /gb=NM_001020<br>/gi=14591912 /ug=Hs.397609 /len=570    |               | *                                     |             |
| ·           |            | /gi=14591912/ug=Hs.59/609/len=5/0                                     |               | <u></u>                               |             |
| 1667        | 0.009931   | interleukin 1 receptor, type I (IL1R1),                               | NM_000877     | Hs.82112                              | NP 000868   |
|             |            | mRNA /cds=(83,1792) /gb=NM_000877                                     |               |                                       |             |
|             |            | /gi=27894331 /ug=Hs.82112 /len=4909                                   |               |                                       |             |
|             | *          |   |               | -                                     |             |
| 1684        | 0.01798    | ubiquitin C (UBC), mRNA   | NM_021009     | Hs.183704                             | NP_066289   |
|             | *          | /cds=(136,2193) /gb=NM_021009   |               |                                       |             |
|             | -          | /gi=20149305 /ug=Hs.183704 /len=2309                                  |               |                                       |             |
| 1005        | 0.040040   | humathatia al masta in El 1200EO                                      | NINA 047044   | 110 046076                            | ND 000444   |
| 1685        | 0.042046   | hypothetical protein FLJ20059<br>(FLJ20059), mRNA /cds=(26,1291)      | NM_017644     | Hs.246875                             | NP_060114   |
|             | * .        | /gb=NM_017644 /gi=8923060   |               |                                       | *           |
|             |            | /ug=Hs.246875 /len=1817   |               | , ,                                   |             |
| 1699        | 0.014265   | solute carrier family 11 (proton-coupled                              | NM_014585     | Hs.5944                               | NP_055400   |
| - '         |            | divalent metal ion transporters),                                     |               |                                       |             |
|             |            | member 3 (SLC11A3), mRNA  |               |                                       |             |
|             | ā          | /cds=(315,2030) /gb=NM_014585   |               | • • • • • • • • • • • • • • • • • • • |             |
|             |            | /gi=19923794 /ug=Hs 5944 /len=3333                                    |               |                                       |             |
| 1753        | 0.027006   | phosphorylase kinase, beta (PHKB),                                    | NM_000293     | Hs.78060                              | NP_000284   |
| 1133        | 0.021900   | mRNA /cds=(25,3306) /gb=NM_000293                                     | LIAINI OOOCAS | 113.70000                             | 141 _UUU204 |
| . 3         |            | /gi=4505782 /ug=Hs.78060 /len=4284                                    |               | ·                                     |             |
|             |            |   | ***           | *                                     | 1           |
| 1806        | 0.027906   | hypothetical protein FLJ10134   | NM_018004     | Hs.104800                             | NP_060474   |
| 1           |            | (FLJ10134), mRNA /cds=(314,1141)                                      | •             |                                       |             |
| ·           | 8          | /gb=NM_018004 /gi=8922242   |               |                                       | [ . ]       |
| 10.15       |            | /ug=Hs.104800 /len=1564   |               | ,                                     |             |
| 1817        | J. 0.04638 | mRNA; cDNA DKFZp761P18121 (from                                       | AL834147      | Hs.44198                              |             |
|             | 100        | clone DKFZp761P18121)   |               |                                       | •           |
|             |            | /cds=(127,2289) /gb=AL834147<br>/gi=21739620 /ug=Hs.44198 /len=4286   |               |                                       | ļ           |
|             |            | 191-21133020149-113.441301611-4200                                    | * *           |                                       | · .         |
| <del></del> | <u> </u>   | L   | I             |                                       | I.,         |

| Snot | p-value  | Description  | Gene                                  | Unigene   | Protein                                 |
|------|----------|--|---------------------------------------|---|---|
| Opot | p value  | 2000 p. 1011   | Accession                             | Accession   | Accession                               |
|      | ė        | *  | No.                                   | No.   | No.                                     |
| 1831 | 0.038054 | mRNA; cDNA DKFZp686O1729 (from                               | AL833498                              | Hs.109731   | 1.01                                    |
|      |          | clone DKFZp686O1729) /gb=AL833498                            |                                       |   |   |
|      |          | /gi=21734141 /ug=Hs.109731 /len=2003                         |                                       |   |   |
|      | 7        | 3 , , , , , , , , , , , , , , , , , ,                        |                                       |   |   |
| 1834 | 0.014265 | cDNA FLJ14337 fis, clone                                     | AK024399                              | Hs.180187   |   |
|      |          | PLACE4000494. /gb=AK024399                                   | -                                     | •           |   |
|      |          | /gi=10436778 /ug=Hs.180187 /len=4588                         |                                       | · .   |   |
|      |          |  | ,                                     |   | *                                       |
| 1866 | 0.042048 | protein phosphatase 3 (formerly 2B),                         | NM_021132                             | Hs.151531   | NP_066955                               |
|      |          | catalytic subunit, beta isoform                              |                                       |   |   |
| • .  | . *      | (calcineurin A beta) (PPP3CB), mRNA                          | * * -                                 |   |   |
|      |          | /cds=(117,1691) /gb=NM_021132                                |                                       |   | * 4                                     |
|      |          | /gi=11036639 /ug=Hs.151531 /len=3079                         |                                       |   |   |
|      |          |  |                                       |   |   |
| 1889 | 0.027906 | tyrosine 3-monooxygenase/tryptophan 5-                       | NM_003405                             | Hs.349530   | NP_003396                               |
|      |          | monooxygenase activation protein, eta                        |                                       |   |   |
| -    |          | polypeptide (YWHAH), mRNA                                    | :<br>1                                |   |   |
|      | *1       | /cds=(198,938) /gb=NM_003405                                 |                                       |   |   |
|      |          | /gi=21464102 /ug=Hs.349530 /len=1775                         |                                       |   | * |
|      |          |  |                                       | * 413   | ×                                       |
| 1933 | 0.016031 | mRNA for KIAA0361 gene, KIAA0361                             | AB002359                              | Hs.105478   |   |
|      |          | protein: /cds=(1,4117) /gb=AB002359                          | · 5                                   |   |   |
| •    |          | /gi=2224662 /ug=Hs.105478 /len=5338                          |                                       |   | ÷ .                                     |
|      |          |  |                                       |   | 1                                       |
| 1973 | 0.00344  | keratin 8 (KRT8), mRNA /cds=(60,1511)                        | NM_002273                             | Hs.242463   | NP_002264                               |
| *    |          | /gb=NM_002273 /gi=4504918                                    | ,                                     |   |   |
|      |          | /ug=Hs.242463 /len=1752                                      | - 0                                   |   |   |
| 4000 | 0.044000 | -h   | NIM 044054                            | 11- 405070  | ND 054770                               |
| 1999 | 0.011228 | chromosome 20 open reading frame 40                          | INM_014054                            | Hs.105379   | NP_054773                               |
|      |          | (C20orf40), mRNA /cds=(208,396)<br>/gb=NM 014054 /gi=7661709 | - 1                                   | 1   |   |
|      |          | /ug=Hs.105379 /len=417                                       | <i>a</i>                              |   |   |
| 2001 | 0.042048 | mRNA for KIAA0892 protein, partial cds.                      | AB020600                              | Hs.112751   |   |
| 2001 | 0.042040 | /cds=(1,1867) /gb=AB020699                                   | F1020003                              | 113.112701  |   |
|      |          | /gi=4240272 /ug=Hs.112751 /len=4164                          |                                       |   |   |
|      |          | 191 121027274g 110.11270171611 1101                          | Y                                     | J· .,   | ] '                                     |
| 2002 | 0.034378 | ANG2 (ANG2)  | AF024631                              | <del>                                      </del> | NP 008917                               |
| 2006 |          | clathrin, light polypeptide (Lcb) (CLTB),                    | NM_007097                             | Hs.380749   | NP_009028                               |
|      |          | transcript variant brain, mRNA                               |                                       |   |   |
|      |          | /cds=(173,862) /gb=NM_007097                                 |                                       | .9  |   |
| _    |          | /gi=6005994 /ug=Hs.380749 /len=1134                          | <u> </u>                              | · · · · · · · · · · · · · · · · · · ·             |   |
|      |          |  |                                       |   | 1                                       |
| 2042 | 0.016031 | ARF protein (LOC51326), mRNA                                 | NM_016632                             | Hs.264509   | NP_057716                               |
|      |          | /cds=(88,489) /gb=NM_016632                                  | · · · · · · · · · · · · · · · · · · · | T   | _                                       |
|      |          | /gi=7706177 /ug=Hs.264509 /len=826                           |                                       | <u>l.                                    </u>     |   |
| 2095 | 0.012669 | chromosome 19 open reading frame 2                           | NM_003796                             | Hs.7943   | NP_604431                               |
| - '  |          | (C19orf2), transcript variant 1, mRNA                        |                                       | ,   |   |
| 0    |          | /cds=(31,1638) /gb=NM_003796                                 |                                       | `   |   |
|      |          | /gi=19924158 /ug=Hs.7943 /len=2295                           | ,                                     |   |   |

| Spot  | p-value  | Description   | Gene        | Unigene       | Protein      |
|-------|----------|---|-------------|---------------|--------------|
|       |          | 1   | Accession   | Accession     | Accession    |
|       | ,        |   | No.         | No.           | No.          |
| 2107  |          | HSPC126 protein (HSPC126), mRNA                       | NM_014166   | Hs.181112     | NP_054885    |
|       |          | /cds=(26,838) /gb=NM_014166                           |             | l             |              |
|       |          | /gi=7661787 /ug=Hs.181112 /len=1424                   | ()          |               |              |
|       |          |   | *           |               |              |
| 2112  | 0.005206 | NRH:quinone oxidoreductase 2 gene                     | AB050248    | , .           |              |
|       |          | (NQO2)  |             | 1 .           |              |
| 2143  | 0.012669 | chromosome 13 open reading frame 9                    | NM_016075   | Hs.146324     | NP_057159    |
|       |          | (C13orf9), mRNA /cds=(6,1166)                         |             |               |              |
| -     |          | /gb=NM_016075 /gi=7705639                             |             |               | - "          |
|       |          | /ug=Hs.146324 /len=1832                               |             |               |              |
| 2160  | 0.016031 | mannosidase, alpha, class 1A, member                  | NM_006699   | Hs.367638     | NP_006690    |
|       | *        | 2 (MAN1A2), mRNA /cds=(521,2446)                      |             |               |              |
|       |          | /gb=NM_006699 /gi=5729912                             |             | 6             |              |
| . *   | 1 1      | /ug=Hs.367638 /len=2792                               | *           |               | 0            |
|       | ا ا      |   |             |               |              |
| 2167  |          | copine III (CPNE3), mRNA                              | NM_003909   | Hs.14158      | NP_003900    |
|       |          | /cds=(121,1734) /gb=NM_003909                         |             |               |              |
|       |          | /gi=4503014 /ug=Hs.14158 /len=4737                    |             |               | \            |
| 2176  | 0.027906 | proteasome (prosome, macropain) 26S                   | NM_002816   | Hs.4295       | NP_777360    |
|       |          | subunit, non-ATPase, 12 (PSMD12),                     |             |               |              |
| 30    | ,        | mRNA /cds=(44,1414) /gb=NM_002816                     |             |               |              |
|       | * .      | /gi=4506220 /ug=Hs.4295 /len=3548                     |             |               |              |
| 0477  | 0.040040 | DADO4   | 1114 004004 | 11-1004050    | ND 44440     |
| 2177  | 0.042048 | RAB34, member RAS oncogene family                     | NM_031934   | Hs.301853     | NP_114140    |
|       |          | (RAB34), mRNA /cds=(206,985)                          | <u>(i)</u>  |               |              |
| 1     | , (f)    | /gb=NM_031934 /gi=21361998<br>/ug=Hs.301853 /len=1340 | 1           |               |              |
|       | ·        | /ug=ris.501655 /ieti=1540                             |             |               |              |
| 2178  | 0.031002 | crystallin, zeta (quinone reductase)-like             | NM_145858   | Hs.330208     | NP 665857    |
| 2110  | 0.001002 | 1 (CRYZL1), transcript variant 3, mRNA                | 143030      | 113.330200    | TM1 _0000037 |
|       | *        | /cds=(86,682) /gb=NM 145858                           |             |               | 0.1          |
|       | ×        | /gi=22202615 /ug=Hs.330208 /len=2099                  |             |               |              |
|       |          | 7g/ 222020 to 7dg Tho.000200 No.11 2000               | ľ           | . 0           |              |
| 2184  | 0.031002 | highly charged protein (D13S106E),                    | NM_005800   | Hs.151236     | NP_005791    |
|       |          | mRNA /cds=(178,3456)                                  |             | , , , , , , , |              |
| - 1   |          | /gb=NM_005800 /gi=5031648                             |             |               | - 10         |
|       | •        | /ug=Hs.151236 /len=3650                               |             | *             |              |
| 2207  | 0.027906 | nidogen 2 (osteonidogen) (NID2),                      | NM 007361   | Hs.82733      | NP_031387    |
|       | ,        | mRNA /cds=(1,4131) /gb=NM 007361                      | _           | ļ             |              |
| -     | * * * 4  | /gi=6679055 /ug=Hs.82733 /len=4829                    |             |               | ·            |
| .2217 | 0.027906 | nebulette (NEBL), mRNA                                | NM 006393   | Hs.5025       | NP 006384    |
|       |          | /cds=(398,3442) /gb=NM_006393                         |             |               |              |
|       |          | /gi=5453757 /ug=Hs.5025 /len=8034                     |             |               |              |
| 2221  |          | clone MGC:43950 IMAGE:5276217,                        | BC037901    | Hs.262716     |              |
|       |          | mRNA, complete cds /cds=(351,392)                     |             |               |              |
|       |          | /gb=BC037901 /gi=23138800                             | 9           |               |              |
| #     |          | /ug=Hs.262716 /len=2214                               |             | I             |              |
| 2239  | 0.020126 | hypothetical protein (KIAA1162)                       | AB032988    |               | NP 066979    |

| Spot     | p-value   | D scription  | Gene                                    | Unigene  | Protein                                 |
|----------|-----------|--|---|--|---|
|          |           |  | Accession                               | Accession  | Accession                               |
| ٠        | 70        |  | No.                                     | No.  | No.                                     |
| 2244     | 0.022485  | F-box and leucine-rich repeat protein 5                              | NM_033535                               | Hs.5548  | NP_277077                               |
|          |           | (FBXL5), transcript variant 2, mRNA                                  |   | •  | ·                                       |
|          |           | /cds=(586,2283) /gb=NM_033535  |   |  |   |
| <u> </u> |           | /gi=21536439 /ug=Hs.5548 /len=3475                                   |   |  |   |
| 2288     | 0.008765  | Similar to hypothetical protein                                      | BC042899                                | Hs.153716  | NP_671512                               |
|          |           | MGC30540, clone MGC:17342  |   |  |   |
| l        |           | IMAGE:4342258, mRNA, complete cds                                    |   |  | ()- ()                                  |
|          |           | /cds=(216,1457) /gb=BC042899   |   |  | *                                       |
|          |           | /gi=27552863 /ug=Hs.153716 /len=3028                                 | · .                                     | }  | } .                                     |
|          |           |  | ·                                       |  |   |
| 2310     | 0.020126  | poly(A) binding protein, cytoplasmic 1                               | NM_002568                               | Hs.172182  | NP_002559                               |
| l        |           | (PABPC1), mRNA /cds=(503,2404)                                       |   |  |   |
| ĺ        |           | /gb=NM_002568 /gi=4505574  |   |  |   |
|          |           | /ug=Hs.172182 /len=2848  |   |  |   |
| 2311     | 0.008765  | thyroid hormone receptor-associated                                  | NM_005119                               | Hs.108319  | NP_005110                               |
|          | · ·       | protein, 150 kDa subunit (TRAP150),                                  |   |  |   |
|          |           | mRNA /cds=(203,3070)   |   |  | <b></b>                                 |
| · -      |           | /gb=NM_005119 /gi=4827039  | * | **   | * |
|          | 2 22 (22) | /ug=Hs.108319 /len=3618  | 1114 201001                             | 11 75000   | 115 004050                              |
| 2330     | 0.034374  | eukaryotic translation elongation factor                             | NM_001961                               | Hs.75309   | NP_001952                               |
|          |           | 2 (EEF2), mRNA /cds=(69,2645)  |   | 1.   |   |
|          |           | /gb=NM_001961 /gi=25453476   |   |  | 8                                       |
| 2250     | 0.010021  | /ug=Hs.75309 /len=3148   | AK074778                                | Hs.405809  | <u> </u>                                |
| 2358     | 0.01603.1 | cDNA FLJ90297 fis, clone   | AKU/4//8                                | HS.405609  |   |
|          |           | NT2RP2000447, moderately similar to GOLGIN-95. /cds=(333,728)        | 7                                       |  | }                                       |
|          |           | /gb=AK074778 /gi=22760446  |   | F  | *                                       |
|          |           | /ug=Hs.405809 /len=2520  | * ***                                   |  |   |
| 2360     | 0.038054  | hepatocyte growth factor-like protein                                | U28055                                  | <del>                                     </del> | <u> </u>                                |
| 2,500    | 0.030004  | homolog (low match)  | 020000                                  | 3  |   |
| 2368     | 0.020126  | capping protein (actin filament) muscle                              | NM_004930                               | Hs.333417  | NP 004921                               |
| 2000     | 0.029120  | Z-line, beta (CAPZB), mRNA   | 56 .666                                 | 1  |   |
| <b>,</b> |           | /cds=(1,819) /gb=NM_004930   |   |  |   |
|          |           | /gi=4826658 /ug=Hs.333417 /len=1077                                  |   | *  | ·J                                      |
|          |           |  |   |  | ,                                       |
| 2413     | 0.031002  | proteasome (prosome, macropain) 26S                                  | NM_002809                               | Hs.9736  | NP_002800                               |
|          |           | subunit, non-ATPase, 3 (PSMD3),                                      |   |  |   |
|          | 1         | mRNA /cds=(165,1769)   | ·                                       | 1 / .  | ٠,                                      |
|          |           | /gb=NM_002809 /gi=25777611   | *                                       | * .  | 1                                       |
|          |           | /ug=Hs.9736 /len=2174  |   |  |   |
| 2435     | 0.01798   | ribosome binding protein 1 180kDa                                    | NM_004587                               | Hs.98614   | NP_004578                               |
|          |           | (dog) (RRBP1), mRNA /cds=(71,3004)                                   | ł                                       |  |   |
| 1        |           | /gb=NM_004587 /gi=4759055  | ••)                                     |  |   |
|          | <u> </u>  | /ug=Hs.98614 /len=3106   |   | 1  | <u> </u>                                |
| 2446     | 0.008765  | oxysterol binding protein-like 2                                     | NM_144498                               | Hs.15519   | NP_653081                               |
|          |           | (OSBPL2), transcript variant 2, mRNA                                 | I                                       |  |   |
|          | £ .       |  |   |  |   |
| , .      |           | /cds=(203,1645) /gb=NM_144498<br>/gi=21450852 /ug=Hs.15519 /len=3971 | ,                                       |  |   |

| Spot  | p-value    | Description                                | Gene                                   | Unigene      | Protein       |
|-------|------------|--|--|--------------|---------------|
| -,    |            |  | Accession                              | Accession    | Accession     |
|       | ·          | 3  | No.                                    | No.          | No.           |
| 2461  | 0.014265   | annexin A6 (ANXA6), transcript variant     | NM- 001155                             | Hs.118796    | NP_004024     |
| ] _,  | 0,01,200   | 1, mRNA /cds=(171,2192)                    |  | 119.110700   | ,             |
|       |            | /gb=NM_001155 /gi=4809274                  | . (1                                   |              |               |
|       |            | /ug=Hs.118796 /len=2528                    |  |              |               |
| 2476  | 0.022485   | MAP kinase-interacting serine/threonine    | NM 003684                              | Hs.5591      | NP_003675     |
| 2410  | 0.022400   | kinase 1 (MKNK1), mRNA                     | 14141_000000-4                         | 113,0001     | 141000073     |
| {     |            | /cds=(174,1571) /gb=NM_003684              |  | <u>[</u>     | i             |
|       | ,          | /gi=21361100 /ug=Hs.5591 /len=2745         |  | *            |               |
|       | ' ·        | /gi=21501100/ag=113.5551/icit=2745         |  |              | 1             |
| 2477  | 0.025072   | of human GTP-binding protein G25K          | AL121737                               |              | NP 426359     |
| 2488  |            | likely ortholog of mouse hippocampus       | NM_033055                              | Hs.21015     | NP 149044     |
| 2500  | 0.023012   | abundant gene transcript 1 (HIAT1)         | 14101_000000                           | 113.21010    | 1 - 1 - 3 - 1 |
| 1.    | -          | mRNA /cds=(6,1124) /gb=NM_033055           | • .                                    | 21           | 1             |
|       |            | /gi=24308343 /ug=Hs.21015 /len=2230        |  |              |               |
| 1.    | ·          | /g -24300343 /ug=Hs.2 10 13 /lel1-2230<br> | - 22                                   |              |               |
| 2508  | 0.024279   | sorting nexin 1 (SNX1), transcript         | NM_003099                              | Hs.75283     | NP 690039     |
| 2500  | 0.034376   | variant 1, mRNA /cds=(13,1581)             | <br> Min                               | П5.73203     | 146-090029    |
| 1 .   |            |  |  |              | 1             |
| 34    |            | /gb=NM_003099 /gi=23111033                 |  |              | *             |
| 2500  | 0.00000    | /ug=Hs.75283 /len=1984                     | NINA 04 4720                           | 115 00000    | ND OFFERA     |
| 2520  | 0.002982   | KIAA0164 gene product (KIAA0164),          | NM_014739                              | Hs.80338     | NP_055554     |
| -     |            | mRNA /cds=(254,3016)                       | 3                                      |              | =             |
| 1     |            | /gb=NM_014739 /gi=7661957                  |  |              | i i           |
| 0.500 | 0.040004   | /ug=Hs.80338 /len=5538                     | 1100574                                | <del> </del> | -             |
| 2533  | 0.016031   | kinase substrate HASPP28 mRNA,             | U26541                                 |              |               |
| 0545  | 0.004000   | complete cds                               | NA 004007                              | 11-140500    | ND 004000     |
| 2545  | 0.031002   | chromosome 8 open reading frame 1          | NM_004337                              | Hs.40539     | NP_004328     |
|       |            | (C8orf1), mRNA /cds=(346,1863)             |  |              |               |
| ł     |            | /gb=NM_004337 /gi=4757889                  |  | )            |               |
| 0510  | 0.04700    | /ug=Hs.40539 /len=4199                     | NA 000070                              | 11- 70700    | ND 000007     |
| 2546  | 0.01798    | vascular endothelial growth factor         | NM_003376                              | Hs.73793     | NP_003367     |
| 1     | ]          | (VEGF), mRNA /cds=(702,1277)               |  |              | j .           |
| '     |            | /gb=NM_003376 /gi=19923239                 |  | 1            | 1             |
| 05.47 | 0.004000   | /ug=Hs.73793 /len=3166                     | NNA 005470                             | Hs 31210     | ND 005400     |
| 2547  | 0.031002   | B-cell CLL/lymphoma 3 (BCL3), mRNA         | NM_005178                              | ms.31210     | NP_005169     |
| 1     |            | /cds=(42,1382) /gb=NM_005178               | <u>'</u>                               | ·            |               |
| 1     |            | /gi=20336471 /ug=Hs.31210 /len=1813        |  |              |               |
| 0550  | 0.007007   | <u> </u>                                   | NIM 047500                             | 110 04405    | ND OCCOOL     |
| 2553  | 0.027906   | transmembrane protein vezatin              | NM_017599                              | Hs.24135     | NP_060069     |
|       | ľ          | (VEZATIN), mRNA /cds=(177,1886)            | ,                                      |              |               |
|       |            | /gb=NM_017599 /gi=19923537                 |  |              |               |
| 0500  | 0.044505   | /ug=Hs.24135 /len=3949                     | NIM COSCO                              | 115 5 400    | ND 005000     |
| 2568  | J 0.011228 | glycoprotein M6B (GPM6B), mRNA             | NM_005278                              | Hs.5422      | NP_005269     |
|       |            | /cds=(255,1052) /gb=NM_005278              | 1                                      |              | 1             |
|       |            | /gi=24307894 /ug=Hs.5422 /len=1642         | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |              | 115 55555     |
| 2569  | 0.038054   | PEST-containing nuclear protein            | NM_020357                              | Hs.71618     | NP_065090     |
|       |            | (PCNP), mRNA /cds=(19,555)                 |  | 1            | [             |
|       |            | /gb=NM_020357 /gi=9966826                  | ٠,٠                                    |              |               |
| L     | <u> </u>   | /ug=Hs.71618 /len=2250                     |  | L            |               |

| Spot | p-value  | Description  | Gene         | Unigene     | Protein      |
|------|----------|--|--------------|-------------|--------------|
|      |          |  | Accession    | Accession   | Accession    |
|      |          |  | No.          | No.         | No.          |
| 2583 | 0.014265 | receptor (calcitonin) activity modifying                             | NM_005856    | Hs.25691    | NP_005847    |
|      |          | protein 3 (RAMP3), mRNA  |              |             |              |
|      |          | /cds=(30,476) /gb=NM_005856  |              | 7 43        |              |
|      |          | /gi=5032022 /ug=Hs.25691 /len=1312                                   |              |             |              |
| 2602 | 0.042048 | fibrinogen-like 2 (FGL2), mRNA                                       | NM_006682    | Hs.351808   | NP_006673    |
|      | :        | /cds=(34,1353) /gb=NM_006682   |              | e f         | 1            |
|      |          | /gi=5730074 /ug=Hs.351808 /len=1496                                  |              |             | }            |
| 2020 | 0.000050 | - thulton forces and interes (MTDD)                                  | NINA COACAC  | Un 453702   | ND 076045    |
| 2628 | 0.003958 | methyltransferase reductase (MTRR),                                  | NM_024010    | Hs.153792   | NP_076915    |
|      |          | transcript variant 2, mRNA   |              |             |              |
|      |          | /cds=(31,2208) /gb=NM_024010<br>/gi=13325067 /ug=Hs.153792 /len=3291 |              | [           | 1            |
|      |          | /gi=1332300/ /ug=H5.133/92/lien=3291                                 |              |             |              |
| 2646 | 0.031002 | EGF-containing fibulin-like extracellular                            | NM 004105    | Hs.76224    | NP 061489    |
| 2040 | 0.001002 | matrix protein 1 (EFEMP1), transcript                                | 14141_004100 | 113.10224   | 111 _00 1400 |
|      |          | variant 1, mRNA /cds=(150,1631)                                      |              | }*          |              |
| - ', |          | /gb=NM_004105 /gi=9665261  | ·            |             |              |
|      |          | /ug=Hs.76224 /len=2742   | *            | )=C         |              |
| 2674 | 0.005206 | ring finger protein 10 (RNF10), mRNA                                 | NM_014868    | Hs.5094     | NP 055683    |
|      | 0.000200 | /cds=(448,2883) /gb=NM_014868  | 0            |             |              |
|      | }        | /gi=27544928 /ug=Hs.5094 /len=3129                                   |              |             | *            |
| 2678 | 0.031002 | protein-L-isoaspartate (D-aspartate) O-                              | NM_005389    | Hs.79137    | NP_005380    |
|      |          | methyltransferase (PCMT1), mRNA                                      |              | }           |              |
|      |          | /cds=(74,757) /gb=NM_005389  |              |             | 1            |
|      |          | /gi=4885538 /ug=Hs.79137 /len=1599                                   | ~            |             |              |
| 2681 | 0.042048 | HBS1-like (S. cerevisiae) (HBS1L),                                   | NM 006620    | Hs.221040   | NP_006611    |
|      | - ×      | mRNA /cds=(194,2248)   | _            | }           |              |
|      |          | /gb=NM_006620 /gi=24431963   | -            | 1           | ,            |
| ,    |          | /ug=Hs.221040 /len=7163  |              |             |              |
| 2682 | 0.016031 | choline phosphotransferase 1 (CHPT1),                                | NM_020244    | Hs.171889   | NP_064629    |
|      |          | mRNA /cds=(171,1391)   |              |             |              |
|      |          | /gb=NM_020244 /gi=9910383  |              |             | ,            |
| · .  | *        | /ug=Hs.171889 /len=1536  |              |             | . *.         |
| 2698 | 0.031002 | topoisomerase (DNA) II alpha 170kDa                                  | NM_001067    | Hs.156346   | NP_001058    |
|      | }        | (TOP2A), mRNA /cds=(127,4722)  | 1            | ***         |              |
|      |          | /gb=NM_001067 /gi=19913405   | 1.           | 1           |              |
|      |          | /ug=Hs.156346 /len=5698  | ļ            |             | <u> </u>     |
| 2719 | 0.014265 | HMG-box containing protein 1 (HBP1),                                 | NM_012257    | Hs.10882    | NP_036389    |
|      |          | mRNA /cds=(187,1731)   |              |             |              |
|      | Ì        | /gb=NM_012257 /gi=21361410   | * .          |             |              |
|      | <u> </u> | /ug=Hs.10882 /len=2857   |              |             | 7            |
| 2729 | 0.025072 | HIC protein isoform p40 and HIC protein                              | AF054589     | Hs.132739   | , .          |
|      |          | isoform p32 mRNAs, complete cds                                      |              | ł           | /            |
|      |          | /cds=(264,1331) /gb=AF054589   | 0000         | 1           | Ì            |
|      | }        | /gi=3426297 /ug=Hs.132739 /len=4152                                  |              |             |              |
| 0705 | 1000000  | 2 (01)/2   | NA 045070    | 10-40-514   | 115 000 10   |
| 2766 | 0.008765 | sorting nexin 7 (SNX7), transcript                                   | NM_015976    | Hs.127241   | NP_689424    |
|      |          | variant 1, mRNA /cds=(268,1431)                                      |              |             | 1            |
|      |          | /gb=NM_015976 /gi=23111053   | 1 0          |             |              |
|      | <u> </u> | /ug=Hs.127241-/len=1798  | <u> </u>     | <del></del> | <u></u>      |

| Spot  | p-value                               | Description                                | Gene         | Unigene    | Protein        |
|-------|---------------------------------------|--|--------------|------------|----------------|
| •     |                                       |  | Accession    | Accession  | Accession      |
|       |                                       |  | No.          | No.        | No.            |
| ∙2784 | 0.020126                              | dual specificity phosphatase 14            | NM_007026    | Hs.91448   | NP_008957      |
| .     |                                       | (DUSP14), mRNA /cds=(234,830)              |              |            |                |
|       |                                       | /gb=NM_007026 /gi=5902001                  |              | ÷          |                |
|       |                                       | /ug=Hs.91448 /len=1471                     |              |            |                |
| 2801  | 0.027906                              | Rattus norvegicus mitochondrial            | NC_001665    |            |                |
|       |                                       | genome                                     | *            |            |                |
| 2809  | 0.020126                              | cDNA: FLJ21874 fis, clone HEP02488.        | AK025527     | Hs.208334  | * *            |
|       |                                       | /gb=AK025527 /gi=10438070                  |              | 1 1        |                |
|       |                                       | /ug=Hs.208334 /len=2239                    | 1.<br>       |            |                |
|       |                                       |  |              |            | 115 000700     |
| 2815  | 0.022485                              | proteasome (prosome, macropain)            | NM_002791    | Hs.410276  | NP_002782      |
|       |                                       | subunit, alpha type, 6 (PSMA6), mRNA       |              |            | -              |
|       | : '                                   | /cds=(110,850) /gb=NM_002791               |              |            |                |
| 1.*   | 2                                     | /gi=23110943 /ug=Hs.410276 /len=1035       | o'           |            |                |
| 0000  | 0.040040                              | His Control DNA big diag analysis (ZED)    | NIM 040407   | 115 470540 | NP 057191      |
| 2820  | 0.042048                              | zinc finger RNA binding protein (ZFR),     | NM_016107 .  | Hs.173518  | NP_057/191     |
|       | , , , , , , , , , , , , , , , , , , , | mRNA /cds=(44,1300) /gb=NM_016107          |              |            |                |
|       | 10                                    | /gi=7706372 /ug=Hs.173518 /len=2734        |              |            |                |
| 2852  | 0.042049                              | prefoldin 4 (PFDN4), mRNA                  | NM_002623    | Hs.91161   | NP_002614      |
| 2002  | 0.042046                              | /cds=(1,405) /gb=NM_002623                 | 14141_002023 | 101        | 147_002014     |
| . '   |                                       | /gi=12408676 /ug=Hs.91161 /len=1208        | · <u>.</u>   | - 1-       |                |
|       |                                       | /gi=124000707gg=115.911017left=1200        |              |            |                |
| 2875  | 0.034378                              | deubiquitinating enzyme (UNPH4)=           | AF106069     |            | NP 006304      |
| 20,0  | 0.00-070                              | AF153604 ubiquitin-specific protease       | 7.1.100000   |            |                |
|       |                                       | homolog (UPH)                              |              |            | ; <del>-</del> |
| 2876  | 0.034378                              | transcriptional regulator interacting with | NM 014755    | Hs.77293   | NP: 055570     |
| 7-14  |                                       | the PHS-bromodomain 2 (TRIP-Br2),          |              |            |                |
|       |                                       | mRNA /cds=(298,1242)                       |              |            |                |
|       | ÷ 17.                                 | /gb=NM_014755 /gi=7661925                  |              |            |                |
|       |                                       | /ug=Hs.77293 /len=5544                     |              |            |                |
| 2892  | 0.042048                              | t-complex 1 (TCP1), mRNA                   | NM_030752    | Hs.4112    | NP_110379      |
|       | 1.                                    | /cds=(22,1692) /gb=NM_030752               | 1            |            |                |
|       |                                       | /gi=13540472 /ug=Hs.4112 /len=2019         | **           |            |                |
| 2944  | 0.027906                              | hypothetical protein FLJ20345              | NM_017777    | Hs.20558   | NP_060247      |
| *     |                                       | (FLJ20345), mRNA /cds=(175,1425)           |              |            |                |
| *     |                                       | /gb=NM_017777 /gi=8923323                  | 1 .          |            |                |
|       |                                       | /ug=Hs.20558 /len=2081                     |              |            |                |
| 2945  | 0.038054                              | hypothetical protein BC018453              | NM_138798    | Hs.14222   | NP_620153      |
|       |                                       | (LOC129531), mRNA /cds=(49,798)            |              | ·          | 1 .            |
|       |                                       | /gb=NM_138798 /gi=20270348                 | • .          | *          |                |
|       |                                       | /ug=Hs.14222 /len=963                      |              | 10. 540    | Lub seese      |
| 2958  | 0.020126                              | TH1-like (Drosophila) (TH1L), mRNA         | NM_016397    | Hs.5184    | NP_057481      |
|       |                                       | /cds=(8,1429) /gb=NM_016397                |              |            | 1              |
|       |                                       | /gi=7705462 /ug=Hs.5184 /len=2130          | NA 600000 :  | 11. 44774  | ND 00001       |
| 2959  | 0.027906                              | protein (peptidyl-prolyl cis/trans         | NM_006223    | Hs.11774   | NP_006214      |
|       | **                                    | isomerase) NIMA-interacting, 4             |              |            | =:             |
|       |                                       | (parvulin) (PIN4), mRNA /cds=(25,420)      |              | 3          |                |
|       | ***                                   | /gb=NM_006223 /gi=5453901                  | 191          |            |                |
|       | <u> </u>                              | /ug=Hs.11774 /len=997                      |              |            | L              |

| Spot  | p-value                                 | Description                              | Gene<br>Accession    | Unigene<br>Accession                    | Protein<br>Accession |
|-------|---|--|----------------------|---|----------------------|
| 2961  | 0.009765                                | line-1 protein ORF2 (=p150)              | <b>No.</b><br>B28096 | No.                                     | No.                  |
| 3023  |   | apolipoprotein D (APOD), mRNA            | NM 001647            | Hs.75736                                | NP 001638            |
| 3023  | 0.072040                                | /cds=(62,631) /gb=NM_001647              | 14141_001047         | 113.70700                               | 141 _00 1000         |
|       | , | /gi=4502162 /ug=Hs.75736 /len=809        | * ** ** **           |   | *                    |
| 3071  | 0.04638                                 | endothelin receptor type A (EDNRA),      | NM 001957            | Hs.76252                                | NP 001948            |
| 5071  | 0.04000                                 | mRNA /cds=(485,1768)                     | 14111_001001         | 113.70202                               | 111 _001340          |
|       |   | /gb=NM 001957 /gi=4503464                |                      | *                                       |                      |
| *,    |   | /ug=Hs.76252 /len=4105                   |                      |   |                      |
| 3072  | 0.042048                                | trichorhinophalangeal syndrome I         | NM 014112            | Hs.26102                                | NP 054831            |
| 901Z  | 0.042040                                | (TRPS1), mRNA /cds=(639,4484)            | 11111_014112         | 113.20102                               | _004001              |
|       |   | /gb=NM_014112 /gi=7657658                | - a '                |   |                      |
|       |   | /ug=Hs.26102 /len=10011                  |                      |   |                      |
| 3090  | 0.025072                                | Similar to kinesin family member C1,     | BC000712             | Hs.20830                                | NP_002254            |
| 0000  | 0.020072                                | clone MGC:1202 IMAGE:3506669,            | B0000112             | 110.20000                               | -002204              |
|       |   | mRNA, complete cds /cds=(168,2189)       |                      | `                                       |                      |
|       |   | /gb=BC000712 /gi=12653842                | 100                  |   | ļ . ·                |
| 8     |   | /ug=Hs.20830 /len=2400                   | X                    |   | ***                  |
| 3185  | 0.020126                                | mRNA for repressor protein, partial cds. | D30612               | Hs.58167                                |                      |
| 0.00  | 0.020120                                | /cds=(1,2157) /gb=D30612 /gi=2723456     | 200012               | 110.00107                               |                      |
| `,    |   | /ug=Hs.58167 /len=3737                   |                      |   |                      |
| 3202  | 0.020126                                | cDNA FLJ13419 fis, clone                 | AK023481             | Hs.163443                               |                      |
| 0202  | 0.020.20                                | PLACE1002115. /gb=AK023481               | 1                    |   | -1                   |
|       |   | /gi=10435427 /ug=Hs.163443 /len=2290     |                      |   | 4.                   |
| ŵ.    | ·                                       | 3  | *                    |   |                      |
| 3204  | 0.04638                                 | clone IMAGE:5263531, mRNA                | BC037740             | Hs.18016                                | "                    |
|       |   | /gb=BC037740 /gi=22902216                | * *                  | *                                       |                      |
| *     |   | /ug=Hs.18016 /len=5036                   |                      | • |                      |
| 3241) | 0.031002                                | brain specific protein (CGI-38), mRNA    | NM_016140            | Hs.279772                               | NP_057224            |
| 1     | 1 2                                     | /cds=(100,624) /gb=NM_016140             |                      |   |                      |
|       | ,                                       | /gi=7706392 /ug=Hs.279772 /len=999       |                      |   |                      |
| 3280  | 0.020126                                | RETROVIRUS-RELATED POL                   | P11369               |   |                      |
|       |   | POLYPROTEIN                              |                      | ,                                       | E                    |
| 3287  | 0.031002                                | FtsJ 1 (E. coli) (FTSJ1), mRNA           | NM_012280            | Hs.23170                                | NP_803188            |
|       | , .                                     | /cds=(301,1290) /gb=NM_012280            |                      |   |                      |
|       | . 1                                     | /gi=7110660 /ug=Hs.23170 /len=1867       |                      |   | 200                  |
| 3288  | 0.005206                                | cyclin G2 (CCNG2), mRNA                  | NM_004354            | Hs.79069                                | NP_004345            |
|       |   | /cds=(136,1170) /gb=NM_004354            |                      |   |                      |
| Ĺ     |   | /gi=4757935 /ug=Hs.79069 /len=2044       |                      | - 3                                     |                      |
| 3290  | 0.020126                                | mitochondrial ribosomal protein L20      | NM_017971            | Hs.182698                               | NP_060441            |
|       | 1                                       | (MRPL20), nuclear gene encoding          | *                    |   | 1                    |
| 54    |   | mitochondrial protein, mRNA              |                      |   | <b>,</b>             |
| * *   | 1.                                      | /cds=(65,514) /gb=NM_017971              |                      |   |                      |
| · '   |   | /gi=26638656 /ug=Hs.182698 /len=705      | ,                    |   |                      |
|       | -                                       | <u> </u>                                 |                      | 14.500                                  | NID 00005            |
| 3313  | 0.025072                                | ATPase, H transporting, lysosomal        | NM_003945            | Hs.415629                               | NP_003936            |
| ł     | 8                                       | 9kDa, V0 subunit e (ATP6V0E), mRNA       | ) · · · · ·          |   | ł                    |
| 1     |   | /cds=(76,321) /gb=NM_003945              |                      |   |                      |
|       |   | /gi=19913435 /ug=Hs 415629 /len=849      |                      | 1                                       |                      |
|       | L                                       | <u> </u>                                 | <u>L</u>             | <u></u>                                 |                      |

| Spot  | p-value  | Description                           | Gene          | Unigene                 | Protein      |
|-------|----------|---------------------------------------|---------------|-------------------------|--------------|
|       |          | *                                     | Accession     | Accession               | Accession    |
|       |          |                                       | No.           | No.                     | No.          |
| 3322  | 0.04638  | ribonuclease P (30kD) (RPP30), mRNA   | NM_006413     | Hs.139120               | NP_006404    |
|       |          | /cds=(295,1101) /gb=NM_006413         | •             | į,                      |              |
|       | 1 (1 )   | /gi=19923360 /ug=Hs.139120 /len=2643  |               |                         |              |
|       |          |                                       |               |                         |              |
| 3445  | 0.04638  | mRNA; cDNA DKFZp434A1520 (from        | AL137544      | Hs.406722               |              |
|       | 100      | clone DKFZp434A1520); partial cds     |               |                         |              |
| 0     | ,        | /cds=(1,551) /gb=AL137544             | · ·           |                         |              |
|       |          | /gi=6808224 /ug=Hs 406722 /len=2775   |               | •                       |              |
| 0.500 | 0.00004  | DNA DNA DICEZ-50050400 (for           | A1 000000     | 11. 40050               |              |
| 3520  | 0.009931 | mRNA; cDNA DKFZp586F2423 (from        | AL080209      | Hs.13659                |              |
| , ,   |          | clone DKFZp586F2423) /gb=AL080209     |               | ,                       |              |
| . :   |          | /gi=5262698 /ug=Hs.13659 /len=4254    |               |                         |              |
| 3524  | 0.020042 | UI-H-DH1-awr-a-12-0-UI.s1             | BQ001533      | Hs.194397               | <del> </del> |
| 3024  | 0.020912 | NCI_CGAP_DH1 cDNA clone               | DQU01333      | П\$. 19439 <i>1</i><br> | 1            |
|       |          | IMAGE:5893139 3', mRNA sequence       | . , *         | •                       |              |
|       |          | /clone=IMAGE:5893139 /clone_end=3'    |               |                         |              |
|       |          | /gb=BQ001533 /gi=19726433             | - 2.5         | "                       |              |
|       |          | /ug=Hs 194397 /len=1039               |               |                         |              |
| 3539  | 0.012669 | ubiquitin C (UBC), mRNA               | NM_021009     | Hs.183704               | NP 066289    |
| 5555  | 0.012003 | /cds=(136,2193) /gb=NM_021009         | 1410,_0210,03 | 113.100704              | 111 _000203  |
| }     | 0 (      | /gi=20149305 /ug=Hs.183704 /len=2309  |               | A                       |              |
|       | *        | 191-201400007dg 110.1001047fcff 2000  | * )           | ()                      |              |
| 3589  | 0.027906 | yeast Sec31p (KIAA0905), mRNA         | NM 014933     | Hs.70266                | NP 057295    |
|       |          | /cds=(54,3716) /gb=NM_014933          |               |                         |              |
|       |          | /gi=7662369 /ug=Hs.70266 /len=4129    | -             | ,                       | ***          |
| 3616  | 0.042048 | CD1D antigen, d polypeptide (CD1D),   | NM 001766     | Hs.1799                 | NP 001757    |
|       |          | mRNA /cds=(165,1172)                  | [             |                         | . *          |
|       |          | /gb=NM_001766 /gi=4502648             |               |                         |              |
|       |          | /ug=Hs.1799 /len=1903                 |               |                         |              |
| 3649  | 0.012669 | FLJ14680 fis, clone NT2RP2004242,     | AK027586      | Hs.334802               | NP_078994    |
|       |          | weakly similar to NEUROFILAMENT       |               |                         |              |
|       |          | TRIPLET H PROTEIN /cds=(41,1885)      |               |                         |              |
|       |          | /gb=AK027586 /gi=14042362             |               |                         |              |
|       |          | /ug=Hs.334802 /len=2551               |               |                         |              |
| 3672  | 0.008765 | cDNA PSEC0152 fis, clone              | AK075459      | Hs.350475               |              |
|       |          | PLACE1007885. /cds=(20,1144)          |               |                         | *            |
|       | . *      | /gb=AK075459 /gi=22761560             | 0.0           | }                       |              |
|       |          | /ug=Hs.350475 /len=2130               |               |                         | 110 0000=1   |
| 3690  | 0.027906 | IK cytokine, down-regulator of HLA II | NM_006083     | Hs.8024                 | NP_006074    |
|       |          | (IK), mRNA /cds=(112,1785)            |               |                         | * 1          |
| 1     |          | /gb=NM_006083 /gi=11038650            |               |                         | <b> </b>     |
| 0000  | 0.004065 | /ug=Hs.8024 /len=1785                 | 170000        | 11- 270054              | ND 755405    |
| 3693  | 0.031002 | exonuclease GOR (GOR), mRNA           | NM_172239     | Hs.373854               | NP_758439    |
|       | -        | /cds=(628,1584) /gb=NM_172239         |               | 1                       |              |
|       | 1        | /gi=26665874 /ug=Hs.373854 /len=6609  |               | 1                       |              |
| L     | L        | L                                     |               | <u> </u>                | <u> </u>     |

| Spot   | p-value      | Description                                 | Gene                                    | Unigene     | Protein                               |
|--------|--------------|---|---|-------------|---------------------------------------|
|        |              | *   | Accession                               | Accession   | Accession                             |
|        |              |   | No.                                     | No.         | No.                                   |
| 3722   | 0.01798      | clusterin (complement lysis inhibitor, SP-  | NM_001831                               | Hs.75106    | NP_001822                             |
|        |              | 40,40, sulfated glycoprotein 2,             |   | 1           |                                       |
|        |              | testosterone-repressed prostate             |   | . 100       | · · · · · · · · · · · · · · · · · · · |
| 1 .    | 1            | message 2, apolipoprotein J) (CLU),         |   | * 7 1 0     |                                       |
|        |              | mRNA /cds=(48,1397) /gb=NM_001831           |   | ,           |                                       |
|        | - *          | /gi=4502904 /ug=Hs.75106 /len=1676          |   |             | Ì                                     |
| 3732   | 0 020054     | hypothetical protein FLJ20718               | NM 017939                               | Hs.50579    | NP 060409                             |
| 3/32   | 0.030054     | (FLJ20718), mRNA /cds=(228,2012)            | MINI_017939                             | ms.50579    | 147_000409                            |
|        | -            | /gb=NM_017939 /gi=8923644                   | . **                                    |             | -                                     |
| 1      | 1            | /ug=Hs.50579 /len=2658                      |   |             |                                       |
| 3763   | 0.025072     | UI-E-EO1-aja-c-22-0-UI.s1 UI-E-EO1          | BM680199                                | Hs:355581   |                                       |
|        |              | cDNA clone UI-E-EO1-aja-c-22-0-UI 3',       |   |             | ·                                     |
| }      | - 1          | mRNA sequence /clone=UI-E-EO1-aja-          | -                                       |             | ]                                     |
|        |              | c-22-0-UI /clone_end=3' /gb=BM680199        |   |             | *                                     |
|        |              | /gi=18990095 /ug=Hs.355581 /len=1071        |   |             | . : 4                                 |
|        |              |   |   | **          |                                       |
| 3802   | 0.038054     | cartilage associated protein (CRTAP),       | NM_006371                               | Hs.155481   | NP_006362                             |
|        |              | mRNA /cds=(12,1217) /gb=NM_006371           |   |             |                                       |
| 1      |              | /gi=21536278 /ug=Hs.155481 /len=2307        |   | * *         |                                       |
| -      | 4            |   |   |             |                                       |
| 3805   | 5   0.034378 | hypothetical protein FLJ10350               | NM_018067                               | Hs.177596   | NP_060537                             |
|        |              | (FLJ10350), mRNA /cds=(676,2340)            | •                                       |             | }                                     |
| 1.     | •            | /gb=NM_018067 /gi=21361780                  | ,                                       |             |                                       |
|        | 0.000705     | /ug=Hs.177596 /len=2811                     | AK055407                                | U- 054004   | ND 000057                             |
| 3889   | 0.008765     | FLJ30635 fis, clone CTONG2002520            | AK055197                                | Hs.351331   | NP_000357                             |
| i .    | *            | /cds=UNKNOWN /gb=AK055197                   |   |             |                                       |
|        |              | /gi=16549871 /ug=Hs.351331 /len=2174        |   |             |                                       |
| 3972   | 0.01798      | chitinase 3-like 1 (cartilage glycoprotein- | NM 001276                               | Hs.75184    | NP 001267                             |
| 3374   | 0.91750      | 39) (CHI3L1), mRNA /cds=(127,1278)          | 11111_001270                            | 113.7010-   | -001207                               |
|        | ī ·          | /gb=NM_001276 /gi=4557017                   |   |             |                                       |
|        | 4. P         | /ug=Hs.75184 /len=1925                      |   | ·           |                                       |
| 4038   | 0.020126     | multiple PDZ domain protein (MPDZ),         | NM 003829                               | Hs.169378   | NP_003820                             |
| 1      |              | mRNA /cds=(47,6175) /gb=NM_003829           | _                                       |             | \                                     |
|        |              | /gi=4505230 /ug=Hs.169378 /len=6582         |   | 1           | 1.                                    |
|        |              |   |   |             |                                       |
| 405    | 0.04638      | methyl CpG binding protein 2 (Rett          | NM_004992                               | Hs.3239     | NP_004983                             |
|        |              | syndrome) (MECP2), mRNA                     | ·¥0                                     | · ·         | -                                     |
|        |              | /cds=(168,1628) /gb=NM_004992               | }                                       |             | 1 1                                   |
|        | -            | /gi=7710148 /ug=Hs.3239 /len=10182          | 100000000000000000000000000000000000000 | 10. 400010  | ND 47000                              |
| 407    | 5 0.031002   |   | NM_054027                               | Hs.168640   | NP_473368                             |
| . ].   |              | transcript variant 2, mRNA                  | - 32                                    | <u>}</u>    | -                                     |
|        |              | /cds=(265,1743) /gb=NM_054027               |   | ∞.          | į !                                   |
| Ĭ,     |              | /gi=21536394 /ug=Hs.168640 /len=4031        |   |             |                                       |
| 408    | 2 0 020126   | Leu zipper protein p40(61%)                 | 1901303A                                |             | 1901303A                              |
| 408    |              | guanyl cyclase C gene,                      | U20230                                  |             | 13013037                              |
| 416    |              | BPAG1n3 (BPAG1)                             | AF165191                                |             | NP_065121                             |
| L 7 10 | 0.00 1002    | Jorgio (or Cold                             | 1/11/100/101                            | <del></del> | 1.11 -000 15 1                        |

| Spot     | p-value  | Description  | Gene         | Unigene     | Protein   |
|----------|----------|--|--------------|-------------|-----------|
|          | -        |  | Accession    | Accession   | Accession |
|          | , m      |  | No.          | No.         | No.       |
| 4184     | 0.012669 | ubiquitin-conjugating enzyme E2, J1                | NM_016021    | Hs.184325   | NP_057420 |
| ,        |          | (UBC6 yeast) (UBE2J1), mRNA                        | • 0          |             |           |
|          | 8        | /cds=(118,1095) /gb=NM_016021                      | 202          |             |           |
|          | *        | /gi=7706311 /ug=Hs.184325 /len=1786                | 0.00         |             |           |
|          |          |  | e :          |             |           |
| 4199     | 0.011228 | protein phosphatase 1, regulatory                  | NM_002714    | Hs.106019   | NP_002705 |
|          |          | subunit 10 (PPP1R10), mRNA                         | •            | Ì           |           |
|          |          | /cds=(553,3375) /gb=NM_002714                      |              |             |           |
| ļ        |          | /gi=25777670 /ug=Hs.106019 /len=4540               | (4)          |             |           |
| 4007     | 0.040040 | and the line (CRATAL) And and the second 2         | NIM 124260   | 115 440000  | ND 500000 |
| 4237     | 0.042048 | smoothelin (SMTN), transcript variant 2,           | NM_134269    | Hs.149098   | NP_599032 |
|          |          | mRNA /cds=(219,2966)<br>/gb=NM_134269 /gi=19913395 | ,            | <u>'</u>    |           |
|          |          | /ug=Hs.149098 /len=3294                            |              | · ·         |           |
| 4253     | 0.034374 | cartilage associated protein (CRTAP),              | NM 006371    | Hs.155481   | NP 006362 |
| 1200     | 0.00 107 | mRNA /cds=(12,1217) /gb=NM_006371                  | 000011       | 110.100.101 | 000002    |
| 1-       |          | /gi=21536278 /ug=Hs.155481 /len=2307               |              |             |           |
|          | ,        | 3  |              |             |           |
| 4262     | 0.006784 | peptidylprolyl isomerase B (cyclophilin            | NM_000942    | Hs.394389   | NP_000933 |
|          |          | B) (PPIB), mRNA /cds=(150,800)                     |              |             |           |
|          |          | /gb=NM_000942 /gi=20149505                         | *            | -X-         |           |
| <u> </u> |          | /ug=Hs.394389 /len=1028                            |              |             |           |
| 4264     | 0.025072 | syntrophin, alpha 1 (dystrophin-                   | NM_003098    | Hs.31121    | NP_003089 |
| ŀ        |          | associated protein A1, 59kDa, acidic               | e g = e '    |             | = 7       |
|          | 0        | component) (SNTA1), mRNA                           |              |             |           |
|          |          | /cds=(273,1790) /gb=NM_003098                      |              |             |           |
| 1        |          | /gi=18765742 /ug=Hs.31121 /len=2345                |              |             |           |
| 4307     | 0.025072 | HT015 protein (HT015)                              | AF223466     |             | NP 061049 |
| 4307     |          | aminopeptidase puromycin sensitive                 | NM_006310    | Hs.293007   | NP 006301 |
| 4503     | 0.005930 | (NPEPPS), mRNA /cds=(196,2823)                     | 14141_000310 | 113.233007  | _000001   |
| 10       |          | /gb=NM 006310 /gi=15451906                         | -            |             |           |
|          |          | /ug=Hs.293007 /len=4177                            |              |             | ļ ·       |
| 4313     | 0.04638  | chromosome 20 open reading frame                   | NM_052951    | Hs.26213    | NP 443183 |
|          | ,        | 167 (C20orf167), mRNA /cds=(64,1053)               | <del>-</del> |             |           |
|          |          | /gb=NM_052951 /gi=16418440                         | * *          |             |           |
|          |          | /ug=Hs.26213 /len=1296                             | 0            | -           | ×X=       |
|          |          |  | . =          |             |           |
| 4349     |          | class I cytokine receptor (zcytor5)                | AF178684     |             | NP_004741 |
| 4389     |          | ADP-ribosylation factor 3 (ARF3)                   | NM_001659    |             | NP_001650 |
| 4390     | 0.027906 | ataxia telangiectasia and Rad3 related             | NM_001184    | Hs.77613    | NP_001175 |
|          | -        | (ATR), mRNA /cds=(106,8040)                        |              | -((-        | Į l       |
|          |          | /gb=NM_001184 /gi=20143978                         |              | 1           |           |
| 4000     | 0.04000  | /ug=Hs.77613 /len=8265                             | NIA 020747   | 115 474005  | ND 440400 |
| 4392     | 0.04638  | hypothetical protein MGC14697                      | NM_032747    | Hs.171625   | NP_116136 |
|          |          | (MGC14697), mRNA /cds=(264,440)                    |              |             |           |
|          |          | /gb=NM_032747 /gi=14249375                         | 1            |             |           |
| <u> </u> | 1        | /ug=Hs.171625 /len=581                             | <u> </u>     | I           | L         |

| Spot | p-value  | Description                              | Gene                                    | Unigene                                 | Protein                                |
|------|----------|--|---|---|--|
|      |          |  | Accession                               | Accession                               | Accession                              |
|      |          |  | No.                                     | No.                                     | No.                                    |
| 4394 | 0.042048 | Likely ortholog of mouse tumor necrosis- |   | Hs.44208                                | NP 078912                              |
|      | · ·      | alpha-induced adipose-related protein,   |   |   |  |
|      |          | cDNA FLJ14901 fis, clone                 | ,                                       |   |  |
|      |          | PLACE1005409 (AK027807.1)                |   | * |  |
| 4404 | 0.022485 | KIAA1723 protein, partial cds            | AB051510                                | Hs.8700                                 | NP_006085                              |
|      |          | /cds=UNKNOWN /gb=AB051510                |   |   | · · · · · · · · · · · · · · · · · · ·  |
|      |          | /gi=12697990 /ug=Hs.8700 /len=7365       |   |   |  |
| 4439 | 0.020126 | retinoblastoma binding protein 6         | NM_006910                               | Hs.91065                                | NP 008841                              |
| 1    |          | (RBBP6), mRNA /cds=(92,2938)             | <del>-</del> -                          | ,                                       |  |
| 1    |          | /gb=NM_006910 /gi=5902043                |   | ,                                       | =                                      |
|      |          | /ug=Hs.91065 /len=2994                   |   |   |  |
| 4445 | 0.038054 | cDNA FLJ36681 fis, clone                 | AK094000                                | Hs.376416                               |  |
|      |          | UTERU2006547. /gb=AK094000               |   |   | . 1                                    |
|      | -        | /gi=21752972 /ug=Hs.376416 /len=2372     |   |   |  |
| 1    | )<br>    | /g/ 2110201270g (10.01011011011011 2012  |   |   |  |
| 4452 | 0.010561 | gene from PAC 747L4. /cds=(73,555)       | AL035297                                | Hs.119254                               |  |
| 1    |          | /gb=AL035297 /gi=4200248                 | . 120,50201                             | , .0 , .20 .                            |  |
|      |          | /ug=Hs.119254 /len=1155                  |   |   |  |
| 4453 | 0.022485 | partial RAB18 gene for RAS-related       | AJ277148                                |   |  |
|      |          | small GTPase RAB18, exons 4-6            | , 132, 1.13                             |   |  |
| 4464 | 0.025072 | suCRase-isomaltase (SI)                  | M84646                                  |   | 7 187 1                                |
| 4468 |          | cDNA FLJ13771 fis, clone                 | AK023833                                | Hs.288934                               | · · · · · · · · · · · · · · · · · · ·  |
|      |          | PLACE4000270. /gb=AK023833               |   |   |  |
|      | *        | /gi=10435888 /ug=Hs.288934 /len=6133     | 0.00                                    |   | 1                                      |
|      |          |  |   |   |  |
| 4475 | 0.01798  | RNA binding motif protein 8B (RBM8B)     | AF231512                                |   |  |
|      |          |  |   |   |  |
| 4508 | 0.04638  | peptidyl-prolyl isomerase G (cyclophilin | NM_004792                               | Hs.77965                                | NP_004783                              |
|      |          | G) (PPIG), mRNA /cds=(158,2422)          | 1 · · · · · · · · · · · · · · · · · · · |   | _                                      |
| 1.   |          | /gb=NM 004792 /gi=4758105                |   |   | · · ·                                  |
| 1    | )        | /ug=Hs.77965 /len=2695                   | ·                                       | ]                                       |  |
| 4514 | 0.038054 | myeloid/lymphoid or mixed-lineage        | NM_005935                               |   | NP_005926                              |
|      |          | leukemia (trithorax (Drosophila)         |   |   | _                                      |
|      |          | homolog); translocated to, 2 (MLLT2)     | *                                       |   |  |
| 1.   | *        | =L13773, AF-4 mRNA,                      |   |   |  |
| 4515 | 0.04638  | cell recognition molecule CASPR3         | NM 033655                               | Hs.212839                               | NP_387504                              |
| 1    |          | (CASPR3), transcript variant 1, mRNA     | 7                                       |   | - <del>-</del>                         |
|      |          | /cds=(408,3872) /gb=NM_033655            | 141                                     |   | 0                                      |
|      |          | /gi=16306508 /ug=Hs.212839 /len=5017     | į,                                      |   |  |
|      |          | <b>4</b>                                 |   |   |  |
| 4521 | 0.04638  | zinc finger protein 267 (ZNF267),        | NM_003414                               | Hs.145498                               | NP_003405                              |
|      | ,        | transcript variant 498723, mRNA          |   |   | ]                                      |
| `    |          | /cds=(134,2365) /gb=NM_003414            |   |   |  |
| 1    |          | /gi=24431954 /ug=Hs.145498 /len=3205     |   |   |  |
|      |          |  |   |   | · .                                    |
| 4548 | 0.038054 | type II integral membrane protein        | AF001297                                |   |  |
|      |          | (NKG2-D) (=U08988 CRFB4 )                |   |   |  |
|      | 1        | 77                                       | ·                                       | <del>!</del>                            | ************************************** |

| Spot         | p-value     | Description  | Gene           | Unigene               | Prot in                |
|--------------|-------------|--|----------------|-----------------------|------------------------|
| *            |             |  | Accession      | Accession             | Acc ssion              |
| •            |             |  | No.            | No.                   | Nó.                    |
| 4550         | 0.008765    | hypoxanthine phosphoribosyltransferase   | NM_000194      | Hs.82314              | NP_000185              |
|              |             | 1 (Lesch-Nyhan syndrome) (HPRT1),  |                | 3                     |                        |
|              |             | mRNA /cds=(86,742) /gb=NM_000194   |                | - 1                   |                        |
|              |             | /gi=4504482 /ug=Hs.82314 /len=1331   |                |                       |                        |
|              |             | .g   |                |                       | ·                      |
| 4567         | 0.00772     | CD163 antigen (CD163), mRNA  | NM_004244      | Hs.74076              | NP 004235              |
| 7507         | 0.00772     | /cds=(102,3572) /gb=NM_004244  | 11111_004244   | 113.74070             | 111 _004200            |
| •            | *           |  |                | •                     |                        |
|              | . * * *     | /gi=19923275 /ug=Hs.74076 /len=4950  | X 1            |                       |                        |
| 4504         | 0.010000    |  | 1114 005 400   | 11 47000              | ND 005007              |
| 4584         | 0.012669    | Rho-associated, coiled-coil containing   | NM_005406      | Hs.17820              | NP_005397              |
| . 4          |             | protein kinase 1 (ROCK1), mRNA   |                | •                     |                        |
|              |             | /cds=(1,4065) /gb=NM_005406  |                |                       |                        |
| · ·          |             | /gi=4885582 /ug=Hs.17820 /len=4065   |                |                       |                        |
| 4590         | 0.016031    | zinc finger protein 106 (ZFP106), mRNA   | NM 022473      | Hs.15220              | NP 071918              |
|              |             | /cds=(336,5987) /gb=NM_022473  | · <del>-</del> |                       |                        |
|              |             | /gi=11968022 /ug=Hs.15220 /len=10487   |                |                       |                        |
|              |             | 7gi 11000022 7dg 113, 10220 7icii 10107  |                |                       |                        |
| 4595         | 0.027006    | wc09c01.x1 NCI_CGAP_Pr28 cDNA  | Al674177       | Hs.200089             | - <del> </del>         |
| 4595         | 1.0.027.906 |  | A1074177       | IDS.200009            |                        |
|              |             | clone IMAGE:2314656 3' similar to  | * ;            |                       |                        |
|              |             | gb:J05016 PROTEIN DISULFIDE  |                |                       | <i>'</i>               |
|              |             | ISOMERASE-RELATED PROTEIN  |                |                       |                        |
|              |             | PRECURSOR mRNA sequence  |                | 8                     |                        |
| *            |             | /clone=IMAGE:2314656 /clone_end=3'   | ·              |                       |                        |
|              |             | /gb=Al674177 /gi=4874657   | •              |                       |                        |
|              |             | /ug=Hs.200089 /len=526   | *.             |                       | 20                     |
| 4614         | 0.038054    | sperm antigen-36   | AF187554       |                       |                        |
| 4634         |             | DNAJ domain-containing (MCJ), mRNA   | NM 013238      | Hs.45105              | NP 037370              |
| 4004         | 0.004070    | /cds=(424,876) /gb=NM_013238   | 14141_010200   | 113.40100             | 111 _007070            |
|              |             |  |                |                       |                        |
|              |             | /gi=7019452 /ug=Hs.45105 /len=1074   |                | 0                     | * .                    |
|              |             |  |                | 11 (200)              |                        |
| 4661         | 0.005206    | cDNA FLJ30561 fis, clone   | AK055123       | Hs.153618             |                        |
|              |             | BRAWH2004580. /gb=AK055123   |                | V 1 1                 |                        |
| •            |             | /gi=16549782 /ug=Hs.153618 /len=2115   |                |                       |                        |
|              | 0           |  |                |                       |                        |
|              | × ×         |  | 1              |                       |                        |
| 4668         | 0.027906    | cDNA FLJ31439 fis. clone   | AK056001       | Hs.349656             |                        |
| 4668         | 0.027906    | cDNA FLJ31439 fis, clone<br>NT2NF2000707 /gb=AK056001  | AK056001       | Hs.349656             |                        |
| 4668         | 0.027906    | NT2NE2000707. /gb=AK056001   |                | Hs.349656             |                        |
| 4668         | 0.027906    |  |                | Hs.349656             |                        |
| -            |             | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009   |                |                       | ND 004000              |
| 4668<br>4680 |             | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor   |                | Hs.349656<br>Hs.11776 | NP_004689              |
| -            |             | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)  |                |                       | NP_004689              |
| -            |             | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)<br>/gb=NM_004698 /gi=4758555   |                |                       | NP_004689              |
| 4680         | 0.011228    | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)<br>/gb=NM_004698 /gi=4758555<br>/ug=Hs.11776 /len=2344   | NM_004698      | Hs.11776              |                        |
| -            | 0.011228    | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)<br>/gb=NM_004698 /gi=4758555   |                |                       | NP_004689<br>NP_006511 |
| 4680         | 0.011228    | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)<br>/gb=NM_004698 /gi=4758555<br>/ug=Hs.11776 /len=2344   | NM_004698      | Hs.11776              |                        |
| 4680         | 0.011228    | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)<br>/gb=NM_004698 /gi=4758555<br>/ug=Hs.11776 /len=2344<br>t-complex-associated-testis-expressed<br>1-like (TCTE1L), mRNA /cds=(69,419) | NM_004698      | Hs.11776              |                        |
| 4680         | 0.011228    | NT2NE2000707. /gb=AK056001<br>/gi=16550873 /ug=Hs.349656 /len=2009<br>U4/U6-associated RNA splicing factor<br>(HPRP3P), mRNA /cds=(73,2124)<br>/gb=NM_004698 /gi=4758555<br>/ug=Hs.11776 /len=2344<br>t-complex-associated-testis-expressed  | NM_004698      | Hs.11776              |                        |

| Spot       | p-valu     | Description   | Gene                    | Unigene                | Protein                 |
|------------|------------|---|-------------------------|------------------------|-------------------------|
|            | · .        |   | Accession               | Accession              | Accession               |
| 4798       | 0.022485   | Rho-associated, coiled-coil containing  | <b>No.</b><br>NM 004850 | <b>No.</b><br>Hs.58617 | <b>No.</b><br>NP 004841 |
|            |            | protein kinase 2 (ROCK2), mRNA  |                         |                        | -                       |
|            | ,          | /cds=(455,4621) /gb=NM_004850   |                         |                        |                         |
|            |            | /gi=6633807 /ug=Hs.58617 /len=6409  |                         | 39.30                  |                         |
| 4800       | 0.022485   | COP9 constitutive photomorphogenic  | NM_016129               | Hs.6671                | NP_057213               |
|            |            | subunit 4 (Arabidopsis) (COPS4),  |                         | · .                    |                         |
|            |            | mRNA /cds=(7,1224) /gb=NM_016129  |                         |                        |                         |
|            |            | /gi=7705844 /ug=Hs.6671 /len=1613   |                         | *                      |                         |
| 4821       | 0.042048   | eukaryotic translation termination factor                                     | NM_004730               | Hs.77324               | NP_004721               |
| Sec.       |            | 1 (ETF1), mRNA /cds=(136,1449)  | ٠,                      |                        |                         |
| 1          |            | /gb=NM_004730 /gi=4759033   | an .                    |                        |                         |
| 1055       | 0.040040   | /ug=Hs.77324 /len=3653  | VIII 040400             |                        |                         |
| 4855       |            | KIAA0795 protein(KIAA0795), mRNA  | XM_016166               | Un antita              | ND 112400               |
| 4873       | 0.01798    | LAT1-3TM protein (LAT1-3TM), mRNA<br>/cds=(80,622) /gb=NM_031211              | NM_031211               | Hs.325520              | NP_112488               |
|            |            | /cus=(60,622)/gb=NM_031211<br>/gi=13654279 /ug=Hs.325520 /len=2114            |                         |                        |                         |
| 1          |            | /gi=130342797ug=113.3233207ie11=2114<br>                                      |                         | ,                      | * 1                     |
| 4992       | 0.034378   | tissue factor pathway inhibitor   | NM 006287               | Hs.170279              | NP 006278               |
|            | 0.001010   | (lipoprotein-associated coagulation   |                         |                        | 000                     |
| *          |            | inhibitor) (TFPI), mRNA /cds=(1,915)  |                         |                        | 20.0                    |
|            |            | /gb=NM_006287 /gi=6715569   |                         | ÷ .                    | - X                     |
|            |            | /ug=Hs.170279 /len=915  |                         |                        |                         |
| 5033       | 0.031002   | actin related protein 2/3 complex,  | NM_152862               | Hs.83583               | NP_690601               |
|            |            | subunit 2, 34kDa (ARPC2), transcript  |                         | Ì                      | · ·                     |
| ļ          |            | variant 1, mRNA /cds=(113,1015)   | 192                     | ].                     | }                       |
|            | ,          | /gb=NM_152862 /gi=23238210  |                         |                        |                         |
| 5070       | 0.000705   | /ug=Hs.83583 /len=1462  | NIM 020 422             | H- OCCOO               | ND 445000               |
| 5072       | 0.008765   | actin binding LIM protein 2 (ABLIM2),   | NM_032432               | Hs.25522               | NP_115808               |
| <u> </u> - |            | mRNA /cds=(123,1718)<br>/gb=NM_032432 /gi=27477050                            |                         |                        |                         |
|            |            | /ug=Hs.25522 /len=3407  |                         |                        |                         |
| 5082       | 0.042048   | solute carrier family 9 (sodium/hydrogen                                      | NM 004785               | Hs.101813              | NP_004776               |
| 3302       | 3.5.120.10 | exchanger), isoform 3 regulatory factor                                       |                         |                        |                         |
|            |            | 2 (SLC9A3R2), mRNA /cds=(97,1449)   |                         |                        |                         |
|            |            | /gb=NM_004785 /gi=4759141   | ÷                       |                        |                         |
| ļ          |            | /ug=Hs.101813 /len=1600   | *                       |                        |                         |
| ,          |            |   |                         |                        | -                       |
| 5177       | 0.031002   | eukaryotic translation initiation factor 3,                                   | NM_003750               | Hs.154796              | NP_003741               |
| '          |            | subunit 10 theta, 150/170kDa  | *                       |                        |                         |
| 1.         |            | (EIF3S10), mRNA /cds=(114,4262)   | *                       | 1                      |                         |
|            |            | /gb=NM_003750 /gi=4503508   |                         |                        |                         |
| 5400       | 0.040000   | /ug=Hs.154796 /len=5256   | 1100047                 |                        |                         |
| 5183       | 0.012669   | basic transCRiption factor 2 p44  | U80017                  |                        | *                       |
| 02         | 1          | (btf2p44) gene, partial cds, neuronal apoptosis inhibitory protein (naip) and |                         | {                      |                         |
| ]          |            | survival motor neuron protein (maip) and                                      |                         |                        |                         |
| L          | <u> </u>   | Isarvivar motor neuron protein (smin)   | <u> </u>                | <u></u>                | <u></u>                 |

| Spot       | p-value                                  | Description                             | Gen          | Unigene    | Protein     |
|------------|--|---|--------------|------------|-------------|
|            |  |   | Acc ssion    | Accession  | Accession   |
|            |  |   | No.          | No.        | No.         |
| 5184       | 0.016031                                 | ankyrin repeat, family A (RFXANK-like), | NM_023039    | Hs.239154  | NP_075526   |
|            | ,  | 2 (ANKRA2), mRNA /cds=(648,1589)        |              |            |             |
| & · · · ·  |  | /gb=NM_023039 /gi=21362082              |              |            |             |
|            |  | /ug=Hs.239154 /len=2048                 | 0            | f.         |             |
|            | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 |   |              |            |             |
| 5188       | 0.020126                                 | p53R2 mRNA for ribonucleotide           | AB036063     | Hs.94262   |             |
|            |  | reductase, complete cds.                |              |            | ·           |
|            |  | /cds=(245,1300) /gb=AB036063            |              | 1);        | , ,         |
|            |  | /gi=7229085 /ug=Hs.94262 /len=4955      |              | · · ·      |             |
| 5204       | 0.020126                                 | stathmin-like 3 (STMN3), mRNA           | NM_015894    | Hs.285753  | NP_056978   |
|            |  | /cds=(83,625) /gb=NM_015894             | •            |            | 3           |
| •          |  | /gi=14670374 /ug=Hs.285753 /len=2255    | - % 1 °      |            |             |
| ********** |  |   | *            |            |             |
| 5246       | 0.04638                                  | cNA sequence (RC2-BT0389-010400-        | BE069597     |            | NP_001675   |
|            |  | 013-e04 BT0389)                         |              |            | , ,         |
| 5267       | 0.034378                                 | RNA binding motif protein 6 (RBM6),     | NM_005777    | Hs.173993  | NP_005768   |
|            |  | mRNA /cds=(134,3505)                    |              |            |             |
|            |  | /gb=NM_005777 /gi=5032032               |              |            |             |
|            |  | /ug=Hs.173993 /len=3639                 | 170010       | 10 10=101  |             |
| 5273       | 0.014265                                 | mRNA; cDNA DKFZp434A163 (from           | AL110218     | Hs.127401  |             |
|            | 14-                                      | clone DKFZp434A163); partial cds        |              |            |             |
|            |  | /cds=(1,4964) /gb=AL110218              | *            |            |             |
|            |  | /gi=5817150 /ug=Hs.127401 /len=5084     |              | c          |             |
| 5279       | 0.031002                                 | paternally expressed 10 (PEG10),        | NM 015068    | Hs.137476  | NP 055883   |
| 0210       | 0.001002                                 | mRNA /cds=(118,1095)                    | 11111_010000 | 110.101410 | 111 _000000 |
|            |  | /gb=NM_015068 /gi=14149662              |              | 1.0        |             |
|            |  | /ug=Hs.137476 /len=6253                 |              |            | 1           |
| 5320       | 0.025072                                 | mRNA; cDNA DKFZp564O0122 (from          | AL049951     | Hs.22370   | 1.0         |
| 0000       |  | clone DKFZp564O0122) /gb=AL049951       |              |            |             |
| a          | ·  | /gi=4884198 /ug=Hs.22370 /len=1727      | ] =          |            | <b>j</b> .  |
|            |  |   |              | , * × .    | *           |
| 5328       | 0.011228                                 | CDC20 cell division cycle 20 (S.        | NM_001255    | Hs 82906   | NP_001246   |
| à.         |  | cerevisiae) (CDC20), mRNA               | 1 - 4        | 7          | <del></del> |
| * .        |  | /cds=(111,1610) /gb=NM_001255           | (1)          |            | *           |
|            |  | /gi=4557436 /ug=Hs.82906 /len=1686      |              |            |             |
| 5349       | 0.042048                                 | peroxisome receptor 1 (PXR1), mRNA      | NM_000319    | Hs.158084  | NP_000310   |
|            |  | /cds=(52,1947) /gb=NM_000319            |              |            | ,           |
|            |  | /gi=21361203 /ug=Hs.158084 /len=3227    |              |            | 1           |
|            | :-                                       |   |              |            | *           |
| 5388       | 0.016031                                 | peroxiredoxin 1 (PRDX1), mRNA           | NM_002574    | Hs.180909  | NP_002565   |
|            | 4-1                                      | /cds=(61,660) /gb=NM_002574             | Į.           |            | l i         |
|            |  | /gi=4505590 /ug=Hs.180909 /len=937      |              | *          |             |
| 5394       | 0.005949                                 | hypothetical protein FLJ11294           | NM_018383    | Hs.107000  | NP_060853   |
|            |  | (FLJ11294), mRNA /cds=(160,4170)        |              | 9(0        |             |
|            |  | /gb=NM_018383 /gi=19923528              |              |            | 4           |
|            |  | /ug=Hs.107000 /len=4602                 | L            |            | . Dec       |

| Spot  | p-value  | Description   | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
|-------|----------|---|-------------------|----------------------|----------------------|
| 40.00 |          |   | No.               | No.                  | No.                  |
| 5399  | 0.042048 | cyclin-dependent kinase inhibitor 1B                                | NM_004064         | Hs.238990            | NP_004055            |
|       |          | (p27, Kip1) (CDKN1B), mRNA.   |                   |                      | . *                  |
|       |          | /cds=(466,1062) /gb=NM_004064                                       |                   |                      |                      |
| ,     |          | /gi=17978497 /ug=Hs.238990 /len=2422                                |                   |                      |                      |
| 5400  | 0.042048 | dUTP pyrophosphatase (DUT), mRNA                                    | NM_001948         | Hs.367676            | NP_001939            |
|       |          | /cds=(20,514) /gb=NM_001948<br>/gi=21361335 /ug=Hs.367676 /len=1816 | 4                 | *                    |                      |
|       |          | /gi-21301333 /ug-Hs.30/0/0/leii-1010                                |                   |                      |                      |
| 5414  | 0.027906 | mRNA; cDNA DKFZp313L1834 (from                                      | AL832699          | Hs.336446            |                      |
|       | *        | clone DKFZp313L1834) /gb=AL832699                                   | *                 |                      |                      |
|       |          | /gi=21733278 /ug=Hs.336446 /len=2883                                |                   |                      |                      |
| ·     |          |   |                   | l                    | 1                    |
| 5426  | 0.04638  | Hypothetical protein(cDNA: FLJ23458                                 | AK027111          |                      | NP_000976            |
|       |          | fis, clone HSI07327)  | 8.                |                      | 7                    |
| 5428  | 0.042048 | proteasome (prosome, macropain)                                     | NM_002799         | Hs.433434            | NP_002790            |
|       |          | subunit, beta type, 7 (PSMB7), mRNA                                 |                   |                      |                      |
|       |          | /cds=(18,851) /gb=NM_002799   |                   |                      |                      |
| ×     |          | /gi=23110926 /ug=Hs.433434 /len=1012                                |                   |                      | .                    |
| •     |          |   |                   |                      |                      |
| 5453  | 0.031002 | nuclear factor (erythroid-derived 2)-like                           | NM_006164         | Hs.155396            | NP_006155            |
|       |          | 2 (NFE2L2), mRNA /cds=(114,1931)                                    |                   |                      | 1                    |
|       |          | /gb=NM_006164 /gi=20149575  |                   | - /                  | *                    |
|       | ·        | /ug=Hs.155396 /len=2439   | <u> </u>          |                      |                      |
| 5489  | 0.027906 | DKFZP566H073 protein  | NM_015528         | Hs.7158              | NP_056343            |
| 0     |          | (DKFZP566H073), mRNA  |                   |                      | ·.                   |
|       |          | /cds=(450,1502) /gb=NM_015528                                       |                   |                      |                      |
|       |          | /gi=14149701 /ug=Hs.7158 /len=1723                                  |                   |                      |                      |
| 5505  | 0.027906 | SECIS binding protein 2 (SBP2), mRNA                                | NM_024077         | Hs.288141            | NP_076982            |
| 1     |          | /cds=(58,2622) /gb=NM_024077  |                   | * '                  |                      |
|       | 1 1      | /gi=21359954 /ug=Hs.288141 /len=3457                                |                   |                      | }                    |
| *.    | <u> </u> |   | * 1               | ,                    |                      |
| 5519  | 0.012669 | solute carrier family 4, sodium                                     | NM_003615         | Hs.132904            | NP_003606            |
|       |          | bicarbonate cotransporter, member 7                                 |                   |                      |                      |
|       | ·        | (SLC4A7), mRNA /cds=(72,3716)                                       |                   | [ -                  |                      |
|       |          | /gb=NM_003615 /gi=19923175  |                   |                      |                      |
|       |          | /ug=Hs.132904 /len=7785   |                   |                      | 1                    |
| 5522  | 0.031002 | transcription elongation factor B (SIII),                           | NM_007108         | Hs.172772            | NP_009039            |
| *     |          | polypeptide 2 (18kDa, elongin B)                                    |                   |                      |                      |
|       |          | (TCEB2), mRNA /cds=(1,357)  |                   | -2                   |                      |
|       |          | /gb=NM_007108 /gi=6005889   |                   |                      |                      |
| 1     | 0.045=   | /ug=Hs.172772 /len=357  |                   |                      |                      |
| 5525  | 0.042048 | tuftelin interacting protein 11 (TFIP11),                           | NM_012143         | Hs.20225             | NP_036275            |
|       |          | mRNA /cds=(264,2777)  |                   | · ( •                |                      |
|       |          | /gb=NM_012143 /gi=8393258   |                   |                      |                      |
|       | <u> </u> | /ug=Hs.20225 /len=3565  |                   | L                    |                      |

| Spo        | t p-value    | Description   | Gene         | Unigene      | Protein   |
|------------|--------------|---|--------------|--------------|-----------|
| 3. 4       | ľ            | ****  | Acc ssion    | Accession    | Accession |
| L          |              | <u> </u>  | No.          | No.          | No.       |
| 552        | 9 0.031002   | SWI/SNF related, matrix associated,                         | NM_003077    | Hs.250581    | NP_003068 |
|            |              | actin dependent regulator of chromatin,                     |              |              |           |
|            | La sur u     | subfamily d, member 2 (SMARCD2),                            | X-           |              | ]         |
|            |              | mRNA /cds=(423,1850)  | a)( a        |              |           |
| <b>!</b> . | -            | /gb=NM_003077 /gi=21264350                                  | 4            |              |           |
|            |              | /ug=Hs.250581 /len=2704                                     |              |              | ,         |
| 556        | 0 04638      | insulin-like growth factor 2 receptor                       | NM_000876    | Hs.76473     | NP_000867 |
| -          | <i>'</i>     | (IGF2R), mRNA /cds=(148,7623)                               |              |              |           |
| ĺ          |              | /gb=NM_000876 /gi=4504610                                   |              | * .          |           |
| L          |              | /ug=Hs.76473 /len=9090                                      |              |              |           |
| 556        | 2   0.034378 | high-mobility group box 2 (HMGB2),                          | NM_002129    | Hs.80684     | NP_002120 |
|            |              | mRNA /cds=(191,820) /gb=NM_002129                           |              | · ·          | ]         |
| <b>.</b> . |              | /gi=14141173 /ug=Hs.80684 /len=1277                         | •            | 3            | , ,       |
| 550        | 0.01700      | CDA02 protein (CDA02), mRNA                                 | NM_032025    | Hs.332404    | NP 114414 |
| 559        | 0.01790      | /cds=(3,1832) /gb=NM_032025                                 | 14141_032025 | T\$.33240# . | NF_114414 |
| l          |              | /gi=14042940 /ug=Hs.332404 /len=2179                        | ļ.,. *       |              |           |
|            |              | 1/gi= 14042940 /ug=115:552404 /ieii=21/9                    |              |              |           |
| 560        | 5 0 027906   | GABA(A) receptor-associated protein-                        | NM_007285    | Hs.6518      | NP 009216 |
| 1 000      | 0.02,000     | like 2 (GABARAPL2), mRNA                                    | 11111_007200 | 110.0010     | -000210   |
|            |              | /cds=(137,490) /gb=NM_007285                                |              | ŧ "          | 1         |
| 1          |              | /gi=27374999 /ug=Hs.6518 /len=1031                          |              |              |           |
| 566        | 5 0.020126   | golgi associated, gamma adaptin ear                         | NM 138619    | Hs.87726     | NP 619525 |
|            |              | containing, ARF binding protein 3                           |              |              | -         |
|            |              | (GGA3), transcript variant long, mRNA                       | . Y          |              | · •       |
|            | 1            | /cds=(10,2181) /gb=NM_138619                                |              |              | ĺ         |
|            | j .          | /gi=20336266 /ug=Hs.87726 /len=3860                         |              |              | J         |
| <u></u>    |              | <u> </u>  |              |              | <b>V</b>  |
| 582        |              | PHKB gene (exon 25)   | X84930       |              |           |
| 590        | 5   0.020126 | protein phosphatase 2 (formerly 2A),                        | NM_002718    | Hs.28219     | NP_002709 |
| 200        |              | regulatory subunit B", alpha                                |              |              |           |
|            | <u> </u>     | (PPP2R3A), mRNA /cds=(505,3957)                             | ,            | * *          |           |
| 1          | 1            | /gb=NM_002718 /gi=19923228                                  | ,            |              | 1         |
|            | 0 0 000054   | /ug=Hs.28219 /len=5217                                      | DE007400     | 11 200004    |           |
| 590        | b   0.038054 | 602034564F1 NCI_CGAP_Brn64 cDNA                             | DF33/136     | Hs.398001    | [         |
|            | 1            | clone IMAGE:4182759 5', mRNA                                |              |              |           |
| 8          | *            | sequence /clone=IMAGE:4182759<br>/clone_end=5' /gb=BF337136 | , .          | • •          |           |
| }          |              | //gi=11283240 /ug=Hs.398001 /len=1223                       |              | - *          | · .       |
| 1          |              | //gi- 1 1200240 /dg-115.05000 1 /lett- 1220                 | -            | ÷            |           |
| 593        | 4 0.012669   | enthoprotin (ENTH), mRNA                                    | NM 014666    | Hs.132853    | NP_055481 |
| "          |              | /cds=(102,1979) /gb=NM_014666                               | 1            |              |           |
| 1          | *            | /gi=7661967 /ug=Hs.132853 /len=3336                         |              |              |           |
|            |              |   |              |              |           |
| 598        | 6 0.006784   | zinc finger and BTB domain containing                       | NM_014950    | Hs.372699    | NP_055765 |
|            |              | 1 (ZBTB1), mRNA /cds=(263,2197)                             |              |              | ] -       |
|            |              | /gb=NM_014950 /gi=7662437                                   |              |              | , "       |
| 1          |              | /ug=Hs.372699 /len=3990                                     |              |              |           |

| Spot | p-value       | Description  | Gene      | Unigene     | Protein   |
|------|---------------|--|-----------|-------------|-----------|
|      |               |  | Accession | Accession   | Accession |
|      |               |  | No.       | No.         | No.       |
| 6026 | 0.022485      | fibromodulin (FMOD), mRNA  | NM_002023 | Hs.230      | NP_002014 |
|      |               | /cds=(21,1151) /gb=NM_002023   | *         |             |           |
|      |               | /gi=5016093 /ug=Hs.230 /len=2863   |           |             |           |
| 6040 | 0.00772       | von Hippel-Lindau binding protein 1  | NM_003372 | Hs.198307   | NP_003363 |
|      | ,             | (VBP1), mRNA /cds=(211,804)  | * `       |             |           |
| 0    | ,             | /gb=NM_003372 /gi=21614497   |           |             |           |
|      |               | /ug=Hs.198307 /len=1778  |           |             |           |
| 6125 | 0.04638       | Sjogren's syndrome nuclear autoantigen   | NM_003731 | Hs.18528    | NP_003722 |
|      |               | 1 (SSNA1), mRNA /cds=(47,406)  |           |             |           |
| i.   |               | /gb=NM_003731 /gi=4505324  |           | ·           |           |
|      | 3 - 170       | /ug=Hs.18528 /len=865  |           |             |           |
| 6127 | 0.006784      | zinc finger protein 76 (expressed in   | NM_003427 | Hs.29222    | NP_003418 |
|      |               | testis) (ZNF76), mRNA /cds=(215,1927)  | _         |             |           |
|      |               | /gb=NM_003427 /gi=21361145   |           |             | [. :      |
|      | ·             | /ug=Hs.29222 /len=2680   |           |             |           |
|      |               | * .  |           | * y         | X         |
| 6128 | 0.014265      | Rab acceptor 1 (prenylated) (RABAC1),  | NM 006423 | Hs.11417    | NP_006414 |
|      |               | mRNA /cds=(31,588) /gb=NM_006423   | _         | *           | -         |
|      |               | /gi=5453959 /ug=Hs.11417 /len=770  | - 23      |             |           |
|      |               |  |           |             |           |
| 6131 | 0.016031      | NADH dehydrogenase (ubiquinone) 1  | NM 014222 | Hs.31547    | NP_055037 |
|      |               | alpha subcomplex, 8, 19kDa (NDUFA8),   |           |             |           |
|      | 1             | mRNA /cds=(68,586) /gb=NM_014222   | 17        |             | -00       |
|      | . *           | /gi=7657368 /ug=Hs.31547 /len=700  |           | ·           | 1         |
|      |               | 3  |           | -           | 8         |
| 6135 | 0.005206      | cyclin-dependent kinase 4 (CDK4),  | NM 000075 | Hs.95577    | NP 443710 |
| ,    |               | transcript variant 1, mRNA   | · -       |             | -X        |
|      |               | /cds=(228,1139) /gb=NM_000075  | Ì         | 1           |           |
| 1    |               | /gi=16936531 /ug=Hs.95577 /len=1474  |           |             |           |
| 1    | ·             | 3  |           | -           | [         |
| 6137 | 0.038054      | developmentally regulated GTP binding  | NM 001388 | Hs.78582    | NP_001379 |
| . *  |               | protein 2 (DRG2), mRNA   |           |             | -         |
| i i  |               | /cds=(65,1159) /gb=NM_001388   |           | ]           |           |
|      | *             | /gi=23065518 /ug=Hs.78582 /len=1897  | y.        |             | 181       |
| 1    | 1             | *****  | 9         |             |           |
| 6143 | 0.035996      | mRNA; cDNA DKFZp686G1167 (from   | AL833600  | Hs.7720     | NP_001367 |
|      |               | clone DKFZp686G1167) /gb=AL833600  |           |             | _         |
| 1    | 0             | /gi=21734246 /ug=Hs.7720 /len=8355   |           | . ,         | 3.        |
| 1    | - 1           |  |           |             |           |
| 6180 | 0.038054      | mRNA for KIAA0774 protein, partial cds.  | AB018317  | Hs.22201    |           |
|      |               | /cds=(1,3492) /gb=AB018317   | *         |             | [         |
|      |               | /gi=3882268 /ug=Hs 22201 /len=4021   |           |             |           |
| 6215 | 0.027906      | splicing factor, arginine/serine-rich 2  | NM_003016 | Hs.73965    | NP 003007 |
|      |               | (SFRS2), mRNA /cds=(156,821)   | ] -       |             |           |
|      |               | /gb=NM_003016 /gi=4506898  |           |             |           |
| ]    |               | /ug=Hs.73965 /len=1879   | 1         |             | ļ         |
| 6227 | 0.027906      | splicing factor, arginine/serine-rich 4  | NM 005626 | Hs.76122    | NP_005617 |
|      |               | (SFRS4), mRNA /cds=(107,1591)  |           |             |           |
| 1    |               | /gb=NM_005626 /gi=21361281   |           | *           | • 1       |
| ļ    |               | /ug=Hs.76122 /len=2167   | 1         | 1           | 1,        |
|      | <del>L </del> | I and the terminal with the second of the se | L         | <del></del> |           |

| Snot   | p-value    | D scription                              | Gene                    | Unigene                                 | Protein  |
|--------|------------|--|-------------------------|---|--|
| J DOC  | p value    | S COMPANIA                               | Accession               | Accession                               | Accession  |
|        |            |  |                         | No.                                     | The state of the s |
| 6220   | 0.000436   | nudix (nucleoside diphosphate linked     | <b>No.</b><br>NM 019094 | Hs.355399                               | No.  |
| 6230   | 0.029130   |  | 14141_0 19094           | IU8.9999                                | NP_061967  |
|        | -          | moiety X)-type motif 4 (NUDT4), mRNA     | 1))1                    | ' .                                     |  |
| 4.     | * ;        | /cds=(191,736) /gb=NM_019094             |                         | * |  |
|        |            | /gi=24432097 /ug=Hs.355399 /len=3652     |                         |   |  |
|        | :          |  | _                       |   | -  |
| 6256   | 0.020126   | ribonuclease, RNase A family, 4          | NM 002937               | Hs.283749                               | NP 002928  |
|        |            | (RNASE4), mRNA /cds=(173,616)            | *                       |   | ,  |
|        |            | /gb=NM_002937 /gi=20070170               |                         |   | ر ا<br>ا   |
|        |            | /ug=Hs.283749 /len=1414                  |                         |   | 0  |
| 6263   | 0.034378   | down-regulated in metastasis (DRIM),     | NM 014503               | Hs.178614                               | NP_055318  |
| 0203   | 0.054570   |  | 14W_0 14303             | 113.170014                              | NF_033310  |
| į.     | · ·        | mRNA /cds=(145,8502)                     |                         |   | ••   |
|        |            | /gb=NM_014503 /gi=7657040                |                         |   |  |
|        |            | /ug=Hs.178614 /len=9017                  |                         |   |  |
| 6307   | 0.035996   | cDNA FLJ37296 fis, clone                 | AK094615                | Hs.4983                                 |  |
|        |            | BRAMY2015420. /gb=AK094615               | **                      |   |  |
|        |            | /gi=21753707 /ug=Hs.4983 /len=3181       |                         |   |  |
| 6316   | 0.048742   | KIAA1046 protein (KIAA1046)              | NM 014928               |   |  |
| 6324   | 0.025072   | SR rich protein (DKFZp564B0769),         | NM_032870               | Hs.18368                                | NP 116259  |
|        |            | mRNA /cds=(33,2450) /gb=NM_032870        | _                       |   |  |
| ]      | j '        | /gi=18699723 /ug=Hs.18368 /len=2663      |                         |   |  |
| 1      |            | 1000072074g=113.100007icH=2000           |                         |   |  |
| 6225   | 0.027006   | AT-binding transcription factor 1        | NIM OCCOPE              | Un 101042                               | ND 000016  |
| 6325   | 0.02/906   |  | NM_006885               | Hs.101842                               | NP_008816  |
|        | <u>}</u>   | (ATBF1), mRNA /cds=(674,11785)           |                         |   |  |
|        |            | /gb=NM_006885 /gi=19923286               |                         | *(*                                     |  |
|        |            | /ug=Hs.101842 /len=11893                 |                         |   |  |
| 6347   | 0.038054   | mitochondrion, complete genome           | NC_001807               |   |  |
| 6367   | 0.01798    | growth arrest-specific 1 (GAS1), mRNA    | NM_002048               | Hs.65029                                | NP_002039  |
|        |            | /cds=(411,1448) /gb=NM_002048            |                         |   |  |
|        |            | /gi=4503918 /ug=Hs.65029 /len=2828       |                         | . : " " '                               | *  |
| ٠.     |            |  |                         |   | y  |
| 6378   | 0.04638    | signal peptidase complex (18kD)          | NM 014300               | Hs.9534                                 | NP 055115  |
| 1 00,0 | 0.04050    | (SPC18), mRNA /cds=(78,617)              | 14101_014500            | 113.3334                                | _000710  |
|        | :          |  |                         |   | ;  |
| '      | - 2        | /gb=NM_014300 /gi=7657608                | ·                       |   |  |
|        | 2 22 42 22 | /ug=Hs.9534 /len=1105                    | <br>                    | 10700                                   | ND 057474  |
| 6387   | 0.031002   | epithelial protein lost in neoplasm beta | NM_016357               | Hs.10706                                | NP_057441  |
|        | ٠.         | (EPLIN), mRNA /cds=(102,2381)            |                         |   |  |
|        | · .        | /gb=NM_016357 /gi=7705372                | -                       | *                                       | ·  |
|        |            | /ug=Hs.10706 /len=3655                   |                         | **************************************  |  |
| 6419   | 0.016031   | RNA helicase family (RNAH), mRNA         | NM 006828               | Hs.48295                                | NP_006819  |
|        |            | /cds=(39,6647) /gb=NM_006828             | _ ,                     |   | . —  |
|        |            | /gi=24307916 /ug=Hs.48295 /len=7315      |                         | 1                                       | <b>(</b>   |
|        |            |  |                         | -                                       |  |
| 6422   | 0.012660   | soc-2 suppressor of clear (C. elegans)   | NM 007373               | Hs.104315                               | NP_031399  |
| 0722   | 0.012009   | (SHOC2), mRNA /cds=(278,2026)            | 101_007.57.5            | 113.104313                              |  |
| 1      |            |  | , *                     |   |  |
| 1      |            | /gb=NM_007373 /gi=6677944                |                         |   |  |
|        |            | /ug=Hs.104315 /len=3872                  |                         | <del> </del>                            | 1.15   |
| 6466   | 0.034378   | ralA binding protein 1 (RALBP1), mRNA    | NM_006788               | Hs.75447                                | NP_006779  |
|        |            | /cds=(78,2045) /gb=NM_006788             |                         |   | ( '  |
|        |            | /gi=21361362 /ug=Hs.75447 /len=4230      |                         | ž -                                     | . "  |
|        |            |  |                         |   |  |
|        |            | <del></del>                              |                         | <u> </u>                                |  |

| Snot    | n volue                               | Description   | Gen          | Unigene    | Protein    |
|---------|---------------------------------------|---|--------------|------------|------------|
| Shor    | p-value                               | Description   |              |            |            |
| . 1     | 2.8                                   |   | Accession    | Accession  | Accession  |
|         | 0.00.000                              |   | No.          | No.        | No.        |
| 6468    |                                       | reverse transcriptase related protein                       | 1207289A     | 075015     | 1207289A   |
| 6471    | 0.042048                              | hydroxysteroid (11-beta)                                    | NM_005525    | Hs.275215  | NP_005516  |
| 7       |                                       | dehydrogenase 1 (HSD11B1), mRNA                             |              |            |            |
|         |                                       | /cds=(95,973) /gb=NM_005525                                 |              |            |            |
|         | £ 1                                   | /gi=5031764 /ug=Hs.275215 /len=1375                         |              |            | *          |
| 6477    | 0.012669                              | NIMA (never in mitosis gene a)-related                      | AL080111     | Hs.24119   | NP_598001  |
|         | 11                                    | kinase 7, DKFZp586G2222 (from clone                         |              |            |            |
|         |                                       | DKFZp586G2222) (AL080111.1)                                 |              |            | ,          |
| 6498    | 0.006784                              | keratinocyte, normal  | U33270       | -          |            |
| 6608    |                                       | mitogen-activated protein kinase 14                         | NM 139012    | Hs.79107   | NP_620583  |
|         | 9.92.000                              | (MAPK14), transcript variant 2, mRNA                        |              |            |            |
|         |                                       | /cds=(363,1445) /gb=NM_139012                               |              | [          | 1          |
|         | *                                     | /gi=20986511 /ug=Hs.79107 /len=3757                         |              |            | <b>.</b> . |
|         |                                       |   | *            | 1          | *          |
| 6609    | 0.038054                              | fibroblast growth factor 2 (basic)                          | NM 002006    | Hs.284244  | NP_001997  |
|         | 0.00000                               | (FGF2), mRNA /cds=(302,934)                                 | 002000       | 110.2012   |            |
|         | *                                     | /gb=NM_002006 /gi=15451897                                  | ,            | , ,        |            |
| 1       |                                       | /ug=Hs.284244 /len=6802                                     |              |            |            |
| 6610    | 0.027906                              | Similar to RIKEN cDNA 3830613022                            | BC035645     | Hs.356876  |            |
| 1 00 10 | 0.027.000                             | gene, clone IMAGE:5551209, mRNA,                            | D0000040     | 113.500010 | ·          |
|         | 100                                   | partial cds /cds=(282,4079)                                 | ,            |            |            |
| 3       |                                       | /gb=BC035645 /gi=23272851                                   |              |            |            |
| 3-      | 7.1                                   |   |              |            |            |
| 6640    | 0.024270                              | /ug=Hs.356876 /len=4079<br>c6.1A (C6.1A), mRNA /cds=(3,953) | NM_024332    | Hs.301927  | NP_077308  |
| 0040    | 0.034370                              |   | NIVI_024332  | IDS.301921 | INP_077300 |
|         |                                       | /gb=NM_024332 /gi=13236582                                  |              |            | -          |
| 0744    | 0.005070                              | /ug=Hs.301927 /len=2846                                     | NM 016407    | 115 400004 | NP 057491  |
| 6714    | 0.025072                              | chromosome 20 open reading frame 43                         | NN_010407    | Hs.182281  | NP_05/491  |
|         |                                       | (C20orf43), mRNA /cds=(71,991)                              |              |            |            |
|         |                                       | /gb=NM_016407 /gi=7705482                                   | * .          |            |            |
| 0745    | 0.00054                               | /ug=Hs.182281 /len=1639                                     | NINA 04 4700 | 11- 54000  | ND OFFICE  |
| 6715    | 0.038054                              | KIAA0076 gene product (KIAA0076),                           | NM_014780    | Hs.51039   | NP_055595  |
|         |                                       | mRNA /cds=(87,5183) /gb=NM_014780                           | · . · · i    |            |            |
| ļ       | •                                     | /gi=7661893 /ug=Hs.51039 /len=5253                          |              |            | - 90       |
| 27/2    | 2 2 2 2 2 2                           |   | 1111 007000  |            | 110 070400 |
| 6718    | 0.022485                              | nucleoporin 210 (NUP210), mRNA                              | NM_024923    | Hs.270404  | NP_079199  |
| - ()    | 1                                     | /cds=(84,5747) /gb=NM_024923                                |              | • • •      |            |
|         |                                       | /gi=27477133 /ug=Hs.270404 /len=7191                        | -            |            |            |
| 1 2 2 2 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1   | 1            | 1          | 10 00000   |
| 6722    | 0.022485                              | syndecan 1 (SDC1), mRNA                                     | NM_002997    | Hs.82109   | NP_002988  |
| 1       | }                                     | /cds=(253,1185) /gb=NM_002997                               | . *          |            |            |
|         | *                                     | /gi=21359855 /ug=Hs.82109 /len=2484                         | *            |            |            |
| 6836    | 0.025072                              | UI-E-DW1-ahd-d-13-0-UI.s1 UI-E-DW1                          | BU737702     | Hs.405983  | -          |
| 0030    | 0.0230/2                              | cDNA clone UI-E-DW1-ahd-d-13-0-UI                           | 150131102    | 1.13.90000 |            |
|         | 1                                     |   |              |            | 1 .        |
|         | 1                                     | 3', mRNA sequence /clone=UI-E-DW1-                          |              |            | 17.        |
|         |                                       | ahd-q-13-0-UI /clone_end=3'                                 | }            |            |            |
| •       |                                       | /gb=BU737702 /gi=23673914                                   |              | °          |            |
| L       | <u> </u>                              | /ug=Hs.405983 /len=1215                                     | L            | <u> </u>   | <u> </u>   |

| Spot  | p-value  | Description  | Gene          | Unigene    | Protein       |
|-------|----------|--|---------------|------------|---------------|
|       |          |  | Accession     | Accession  | Accession     |
| 000   |          |  | No.           | No.        | No.           |
| 6847  | 0.031002 | tropomodulin 3 (ubiquitous) (TMOD3),                             | NM_014547     | Hs.22826   | NP_055362     |
|       | ,        | mRNA /cds=(66,1124) /gb=NM_014547                                | ••            |            |               |
|       |          | /gi=7657648 /ug=Hs.22826 /len=2072                               |               | ,          |               |
| ٠.    |          | #  |               |            |               |
| 6853  | 0.042048 | DKFZp434K098 (from clone   | AL133112      |            | NP_653172     |
|       |          | DKFZp434K098); partial cds                                       |               |            |               |
| 6898  | 0.038054 | plexin B2 (PLXNB2), mRNA   | NM_012401     | Hs.3989    | NP_036533     |
|       |          | /cds=(26,1438) /gb=NM_012401                                     | * 0           |            |               |
| 6000  | 0.00770  | /gi=20270189 /ug=Hs.3989 /len=2175                               | 104 445050    | 11. 404405 | ND 050400     |
| 6908  | Q.00772  | thymus expressed gene 3-like                                     | NM_145056     | Hs.134185  | NP_659493     |
|       |          | (MGC15476), mRNA /cds=(441,1655)                                 |               |            |               |
|       |          | /gb=NM_145056 /gi=21450823                                       | * = *         | ·          | ÷             |
| 6942  | 0.020126 | /ug=Hs.134185 /len=2544 eukaryotic translation elongation factor | NM 001402     | Hs.422118  | NP 001393     |
| 0942  | 0.020120 | 1 alpha 1 (EEF1A1), mRNA   | 111101_001402 | ΠS.422110  | NF_001393     |
|       |          | /cds=(63,1451) /gb=NM_001402                                     |               | •          |               |
|       |          | /gi=25453469 /ug=Hs.422118 /len=1837                             |               |            |               |
|       |          |  |               |            |               |
| 7003  | 0.004545 | histocompatibility (minor) 13 (HM13),                            | NM_030789     | Hs:386538  | NP 848697     |
|       |          | mRNA /cds=(86,1219) /gb=NM_030789                                |               | - 3        |               |
|       |          | /gi=23308606 /ug=Hs 386538 /len=1584                             | * *           |            | b.            |
|       |          |  |               |            |               |
| 7041  | 0.012669 | oxysterol binding protein-like 1A                                | NM_080597     | Hs.252716  | NP_579802     |
|       |          | (OSBPL1A), transcript variant                                    |               |            |               |
| ÷     |          | OSBPL1B, mRNA /cds=(175,3027)                                    |               |            |               |
| •     |          | /gb=NM_080597 /gi=19718740                                       |               |            |               |
| 70.46 | 0.000051 | /ug=Hs.252716 /len=4165  | 1111          |            | 115 205000    |
| 7048  | 0.038054 | twisted gastrulation 1 (Drosophila)                              | NM_020648     | Hs.247302  | NP_065699     |
|       | : .,     | (TWSG1), mRNA /cds=(106,777)<br>/gb=NM_020648 /gi=21314788       | *             |            |               |
| ·     |          | /gg=Hs:247302 /len=3693  |               |            |               |
| 7064  | 0.020126 | mitochondrial ribosomal protein L18                              | NM 014161     | Hs.23038   | NP_054880     |
| 1.004 | 0.020120 | (MRPL18), nuclear gene encoding                                  | 114141_014101 | 113.20000  | 1111 _00-1000 |
|       |          | mitochondrial protein, mRNA                                      | *             |            | - 120         |
|       | 10       | /cds=(123,665) /gb=NM_014161                                     |               |            |               |
|       |          | /gi=21265079 /ug=Hs.23038 /len=989                               |               |            |               |
| 7092  | 0.00772  | chromosome condensation 1 (CHC1),                                | NM_001269     | Hs.84746   | NP_001260     |
|       |          | mRNA /cds=(287,1552)   | 10            |            | -             |
|       | ,        | /gb=NM_001269 /gi=20149512                                       |               |            |               |
|       |          | /ug=Hs.84746 /len=2559   |               |            | 3.            |
| 7103  | 0.042048 | sialidase 1 (lysosomal sialidase)                                | NM_000434     | Hs.118721  | NP_000425     |
|       |          | (NEU1), mRNA /cds=(130,1377)                                     |               | 1          |               |
|       | , .      | /gb=NM_000434 /gi=4557790  |               |            | . *           |
| 7440  | 0.007000 | /ug=Hs.118721 /len=1894  | NIM 00 1700   | 11 75075   | ND 00 1775    |
| 7112  | 0.02/906 | ubiquitination factor E4A (UFD2 yeast)                           | NM_004788     | Hs.75275   | NP_004779     |
|       | f        | (UBE4A), mRNA /cds=(73,3294)                                     |               |            |               |
|       |          | /gb=NM_004788 /gi=4759287  | 2             | 1          |               |
| L     | Ļ        | /ug=Hs.75275 /len=6060   | L             | L          | L             |

| Spot     | p-value  | Description                               | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
|----------|----------|---|-------------------|----------------------|----------------------|
| <b>!</b> |          | · •                                       | No.               | No.                  | No.                  |
| 7127     | 0.011228 | actin-related protein 10 (S. cerevisiae)  | NM 018477         | Hs.274369            | NP_060947            |
|          | 0.011220 | (ACTR10), mRNA /cds=(81,1334)             | 11111_010411      | 113,27 4000          | 141 _000047          |
|          |          | /gb=NM_018477 /gi=8923711                 | 100               |                      | , in the second      |
|          |          | /ug=Hs.274369 /len=1621                   |                   |                      |                      |
| 7143     | 0.04638  | benzodiazapine receptor (peripheral)      | NM_000714         | Hs.202               | NP_009295            |
|          | 0.01000  | (BZRP), nuclear gene encoding             | 1411_0001 141     | 113.202              | 141 _000200          |
|          | 4-)(-    | mitochondrial protein, transcript variant |                   | *                    | J                    |
| ' -      |          | PBR, mRNA /cds=(88,597)                   | . T               | -                    |                      |
|          |          | /gb=NM_000714 /gi=21536444                |                   |                      |                      |
|          |          | /ug=Hs.202 /len=848                       | *                 |                      |                      |
| 7147     | 0.038054 | UI-1-BB1p-akl-h-05-0-UI.s1                | BQ022477          | Hs.424771            |                      |
| 1        |          | NCI_CGAP_PI6 cDNA clone UI-1-BB1p-        | D 4022 177        | 110.42 1771          |                      |
|          |          | akl-h-05-0-UI 3', mRNA sequence           | - 3               |                      |                      |
|          |          | /clone=UI-1-BB1p-akl-h-05-0-UI            |                   | . 0                  | ٠ :                  |
|          |          | /clone_end=3' /gb=BQ022477                | 8.6               |                      | *                    |
|          | /        | /gi=19757756 /ug=Hs.424771 /len=1598      |                   |                      |                      |
|          | ,        |   | f.                |                      | İ                    |
| 7203     | 0.031002 | KIAA1036 protein (KIAA1036), mRNA         | NM 014909         | Hs.155182            | NP_055724            |
| 1.200    |          | /cds=(386,1483) /gb=NM_014909             | 101,000           | 7.0.700702           | 000/2/               |
| 1.       |          | /gi=7662453 /ug=Hs.155182 /len=5481       |                   |                      | ·                    |
| 5        |          | .3  | *• .              |                      |                      |
| 7204     | 0.031002 | chromosome 20 open reading frame 98       | NM 024958         | Hs.286128            | NP 079234            |
| ×i       | - 17 - 3 | (C20orf98), mRNA /cds=(134,748)           |                   |                      | ,,-                  |
|          |          | /gb=NM_024958 /gi=13376446                |                   | }                    | 1                    |
|          |          | /ug=Hs.286128 /len=2042                   |                   | -                    |                      |
| 7205     | 0.042048 | ribosomal protein S20 (RPS20), mRNA       | NM 001023         | Hs.8102              | NP 001014            |
|          |          | /cds=(128,487) /gb=NM_001023              | _                 |                      |                      |
|          |          | /gi=14591915 /ug=Hs.8102 /len=539         |                   |                      | . ,                  |
|          | 1 1      |   |                   | ,                    |                      |
| 7250     | 0.038054 | hemoglobin, gamma G (HBG2), mRNA          | NM 000184         | Hs.386655            | NP 000175            |
|          |          | /cds=(54,497) /gb=NM 000184               | - · ·             |                      |                      |
|          |          | /gi=28302132 /ug=Hs.386655 /len=583       |                   |                      |                      |
|          |          |   |                   |                      |                      |
| 7292     | 0.025072 | synaptic nuclei expressed gene 1          | NM_015293         | Hs.192102            | NP_598411            |
|          | ,        | (SYNE-1), transcript variant beta,        |                   |                      |                      |
|          |          | mRNA /cds=(121,10086)                     | -                 |                      |                      |
| -        |          | /gb=NM_015293 /gi=19526752                |                   |                      |                      |
|          |          | /ug=Hs.192102 /len=10742                  | 1                 |                      |                      |
| 7322     |          | BM-017 (=ALEX3)                           | AF208859          |                      | NP_808817            |
| 7349     | 0.027906 | dermatopontin (DPT), mRNA                 | NM_001937         | Hs.80552             | NP_001928            |
|          | 0        | /cds=(7,612) /gb=NM_001937                |                   |                      |                      |
|          |          | /gi=4755134 /ug=Hs.80552 /len=717         |                   |                      |                      |
| 7355     | 0.038054 | hypothetical protein (DKFZp761P2124       | AL137441          |                      | NP_057107            |
| <u> </u> |          | clone DKFZp761P2124)                      |                   | *                    |                      |
| 7361     | 0.031002 | SWI/SNF related, matrix associated,       | NM_003072         | Hs.78202             | NP_003063            |
| 1        |          | actin dependent regulator of chromatin,   |                   |                      | * ,                  |
|          | 1        | subfamily a, member 4 (SMARCA4),          |                   |                      |                      |
| ļ        |          | mRNA /cds=(277,5220)                      | Y                 |                      |                      |
|          |          | /gb=NM_003072 /gi=21071055                |                   | * .                  |                      |
|          |          | /ug=Hs.78202 /len=5681                    |                   |                      |                      |

| Spot   | p-value    | Description                                | G n Accession                         | Unigene<br>Accession | Protein<br>Accession |
|--------|------------|--|---------------------------------------|----------------------|----------------------|
| *      |            | , ;··                                      | No.                                   | No.                  | No.                  |
| 7366   | 0.027906   | meningioma expressed antigen 5             | NM 012215                             | Hs.5734              | NP_036347            |
|        |            | (hyaluronidase) (MGEA5), mRNA              |                                       |                      |                      |
|        |            | /cds=(396,3146) /gb=NM_012215              |                                       |                      |                      |
|        |            | /gi=11024697 /ug=Hs.5734 /len=5147         |                                       |                      |                      |
| 7382   |            |  | NM_033427                             | Hs.293539            | NP 219499            |
| 7002   | 0.04000    | mRNA /cds=(93,5084) /gb=NM_033427          | 1111_000 121                          | 1.0.20000            |                      |
| . '    |            | /gi=16975495 /ug=Hs.293539 /len=5975       |                                       |                      | J                    |
|        |            | 7914 1007 0400 749 115.200000 71611 007 0  |                                       |                      |                      |
| 7383   | 0.042048   | mannose receptor, C type 1 (MRC1),         | NM 002438                             | Hs.75182             | NP 002429            |
| . 000  | 0.0 120 10 | mRNA /cds=(104,4474)                       |                                       |                      |                      |
|        | )          | /gb=NM_002438 /gi=4505244                  |                                       |                      | 1                    |
|        |            | /ug=Hs.75182 /len=5185                     | ,                                     |                      | ·                    |
| 7398   | 0.034378   | laminin, alpha 2 (merosin, congenital      | NM_000426                             | Hs.75279             | NP 000417            |
| 1.000  | 0.001070   | muscular dystrophy) (LAMA2), mRNA          | · · · · · · · · · · · · · · · · · · · |                      |                      |
|        |            | /cds=(50,9382) /gb=NM_000426               |                                       |                      |                      |
|        | · ,        | /gi=4557708 /ug=Hs.75279 /len=9534         |                                       | ,                    |                      |
| 7415   | 0.04638    | hypothetical protein FLJ12619              | NM 030939                             | Hs.7779              | NP 112201            |
| 7410   | 0.04000    | (FLJ12619), mRNA /cds=(539,1228)           | 000000                                | 110.1770             | 14 ; ; ; ; ;         |
|        |            | /gb=NM_030939 /gi=21359961                 |                                       | '                    |                      |
|        |            | /ug=Hs.7779 /len=2444                      |                                       |                      | + +.                 |
| 7427   | 0.034378   | tropomyosin 3 (TPM3), mRNA                 | NM_153649                             | Hs.85844             | NP 705935            |
| 1421   | 0.054070   | /cds=(52,798) /gb=NM_153649                | 14111_1000_40                         | 113.00044            | 111 _7 00000         |
|        |            | /gi=24119202 /ug=Hs.85844 /len=2089        |                                       | •                    |                      |
| ,      |            | /g =24   19202 /ug=113.00044 /ichi=2000    |                                       |                      |                      |
| 7455   | 0.04638    | 1-acylglycerol-3-phosphate O-              | NM_006412                             | Hs.209119            | NP 006403            |
| ,,400  | 0.04000    | acyltransferase 2 (lysophosphatidic acid   | 1411 _ 000 1 12                       | 110.200110           |                      |
|        |            | acyltransferase, beta) (AGPAT2),           |                                       |                      |                      |
|        |            | mRNA /cds=(67,903) /gb=NM_006412           | •                                     | -00                  |                      |
|        | 4          | /gi=6041664 /ug=Hs.209119 /len=1522        | . · ·                                 |                      | 1 .                  |
|        | •          | 1322   1904 1004 14g=113.2031 13 Neti=1322 | · ,                                   |                      | İ                    |
| 7459   | 0.020126   | proteasome (prosome, macropain) 26S        | NM 002817                             | Hs.279554            | NP 787128            |
| ' = 55 | 0.020120   | subunit, non-ATPase, 13 (PSMD13),          |                                       |                      | [4] = 37, 128        |
|        |            | mRNA /cds=(70,1200) /gb=NM_002817          |                                       |                      |                      |
|        |            | /gi=4506222 /ug=Hs.279554 /len=1584        |                                       |                      | 10                   |
|        |            | 1300222 /ug=113.27 9004 /ieii=1004         |                                       |                      |                      |
| 7461   | 0.020126   | dipeptidase 1 (renal) (DPEP1), mRNA        | NM 004413                             | Hs.109               | NP 004404            |
| ' 70 ' | 0.020120   | /cds=(296,1531) /gb=NM 004413              | 1                                     |                      |                      |
|        |            | /gi=4758189 /ug=Hs 109 /len=1738           | . 7                                   |                      |                      |
| 7466   | 0.00772    | ret finger protein (RFP), transcript       | NM 006510                             | Hs.142653            | NP_112212            |
| 1,400  | 0.00772    | variant alpha, mRNA /cds=(359,1900)        |                                       | 1.10.1.12000         |                      |
| [      | <u> </u>   | /gb=NM_006510 /gi=17105396                 |                                       |                      |                      |
|        |            | /ug=Hs.142653 /len=2984                    |                                       |                      |                      |
| 7495   | 0.03/378   | CASP8 and FADD-like apoptosis              | NM 003879                             | Hs.195175            | NP_003870            |
| 1495   | . 0.034370 | regulator (CFLAR), mRNA                    | 14141_000013                          | 113.133173           | ]000070              |
|        |            | /cds=(482,1924)/gb=NM_003879               |                                       |                      |                      |
|        |            | //gi=21361768 /ug=Hs.195175 /len=2243      | · ·                                   |                      |                      |
|        |            | 1/ul-z 1301/00 /uu-r18.1931/3 /lef1=2243   | 1 -                                   | 1                    | 1                    |

| Spot | p-value   | Description   | Gene<br>Accession                     | Unigene<br>Acc ssion | Protein<br>Accession |
|------|-----------|---|---------------------------------------|----------------------|----------------------|
|      |           |   | No.                                   | No.                  | No.                  |
| 7514 | 0.04638   | cDNA FLJ35055 fis, clone                              | AK092374                              | Hs.349303            |                      |
| ,    |           | OCBBF2018563. /gb=AK092374                            | *                                     |                      | ,                    |
|      |           | /gi=21750952 /ug=Hs.349303 /len=3817                  | la migragi al a                       |                      |                      |
|      |           |   | · · · · · · · · · · · · · · · · · · · |                      |                      |
| 7517 | 0.00772   | deoxyguanosine kinase (DGUOK),                        | NM_080916                             | Hs.432811            | NP_550440            |
| * .  |           | transcript variant 1, nuclear gene                    | •                                     |                      |                      |
|      |           | encoding mitochondrial protein, mRNA                  | œ                                     | -                    |                      |
|      |           | /cds=(86,919) /gb=NM_080916                           |                                       | 1,                   | *                    |
|      |           | /gi=18426966 /ug=Hs.432811 /len=1144                  |                                       | { · ·                |                      |
| 7500 | 0.040004  | THE CO. LEWIS TO BE 1                                 | NA 040007                             |                      | ND 057404            |
| 7522 | 0.016031  | TH1-like (Drosophila) (TH1L), mRNA                    | NM_016397                             | Hs.5184              | NP_057481            |
|      | *         | /cds=(8,1429) /gb=NM_016397                           |                                       |                      |                      |
| 7500 | 0.04000   | /gi=7705462 /ug=Hs.5184 /len=2130                     | NA 005000                             | 11 470740            | NID CO 1000          |
| 7532 | 0.04638   | a disintegrin and metalloproteinase                   | NM_025220                             | Hs.173716            | NP_694882            |
|      |           | domain 33 (ADAM33), transcript variant                |                                       |                      |                      |
|      |           | 1, mRNA /cds=(88,2529)                                |                                       |                      |                      |
| *    | e -       | /gb=NM_025220 /gi=24041037                            |                                       |                      | *                    |
|      | 10.00005  | /ug=Hs.173716 /len=3594                               | NN4 047704                            | 11 004000            | NE COORT             |
| 7544 | 0.039654  | oxysterol binding protein-like 10                     | NM_017784                             | Hs.321622            | NP_060254            |
|      |           | (OSBPL10), mRNA /cds=(382,2676)                       | *                                     |                      | - 3-                 |
|      |           | /gb=NM_017784 /gi=23111057                            |                                       |                      |                      |
| 7540 | 0.00770   | /ug=Hs.321622 /len=3938                               | AKOOFOOF                              | 11-0004              |                      |
| 7549 | 0.00772   | cDNA: FLJ21552 fis, clone COL06322.                   | AK025205                              | Hs.6634              |                      |
|      |           | /gb=AK025205 /gi=10437670                             |                                       |                      |                      |
| 7550 | 0.00770   | /ug=Hs.6634 /len=2045                                 | NINA 047775                           | (1- 252602           | ND 00004E            |
| 7550 | 0.00772   | hypothetical protein FLJ20343                         | NM_017775                             | Hs.252692            | NP_060245            |
|      |           | (FLJ20343), mRNA /cds=(19,1524)                       | *                                     | •                    |                      |
|      |           | /gb=NM_017775 /gi=22547158<br>/ug=Hs.252692 /len=2784 |                                       |                      |                      |
| 7551 | 0.025072  |   | NM 023012                             | Hs.81648             | NP 075388            |
| 7331 | 0.025072  | splicing factor, arginine/serine-rich 4               | 14141_023012                          | ITIS.01040           | NF_0/3300            |
|      | ľ         | (FLJ11021), mRNA /cds=(767,1375)                      | ·                                     |                      |                      |
|      | 0)        | /gb=NM_023012 /gi=20127619                            |                                       |                      |                      |
| i i  |           | /ug=Hs.81648 /len=1878                                | . :                                   |                      |                      |
| 7552 | 0.006784  | interferon, alpha-inducible protein (clone            | NM 005101                             | Hs.432233            | NP 005092            |
| 1002 | 0.00070   | IFI-15K) (G1P2), mRNA /cds=(76,573)                   | 14101_000101                          | 113.402200           |                      |
|      |           | [/gb=NM_005101 /gi=4826773                            | ·                                     | *                    |                      |
| -    |           | /ug=Hs.432233 /len=634                                |                                       |                      |                      |
| 7574 | 0.023403  | ubiquitin-conjugating enzyme E2N                      | NM 003348                             | Hs.75355             | NP 003339            |
| '3'4 | 0.02.0300 | (UBC13 yeast) (UBE2N), mRNA                           | 000040                                | 1.13.7 3330          |                      |
|      |           | /cds=(64,522) /gb=NM_003348                           |                                       |                      |                      |
|      | *         | /gi=4507792 /ug=Hs,75355 /len=1203                    | ļ                                     |                      |                      |
| 7613 | 0.034378  | thymosin, beta 4, X chromosome                        | NM 021109                             | Hs.75968             | NP 066932            |
| .5.5 | 0.554070  | (TMSB4X), mRNA /cds=(78,212)                          |                                       |                      |                      |
|      |           | /gb=NM_021109 /gi=11056060                            | ·                                     |                      |                      |
|      | 1         | /ug=Hs.75968 /len=556                                 | 1 .                                   | 1                    | 1                    |

| Spot        | p-value    | Description                               | Gene          | Unigene    | Protein   |
|-------------|------------|---|---------------|------------|-----------|
|             |            |   | Accession     | Accession  | Accession |
|             | *          | 1(1)                                      | No.           | No.        | No.       |
| 7620        | 0.027906   | UI-H-EI0-ayf-a-03-0-UI.s1                 | CA447644      | Hs.440691  |           |
|             |            | NCI_CGAP_EI0 cDNA clone UI-H-EI0-         | *             | ·          | ·         |
|             |            | ayf-a-03-0-UI 3', mRNA sequence           | 00            |            | <b>!</b>  |
|             |            | /clone=UI-H-EI0-ayf-a-03-0-UI             |               |            |           |
|             |            | /clone_end=3' /gb=CA447644                | <u> </u>      |            |           |
|             |            | /gi=24812064 /ug=Hs.440691 /len=770       |               |            |           |
|             |            |   | :             |            |           |
| 7628        | 0.014265   | FLJ10287 fis, clone HEMBB1001387          | AK001149      |            | NP_061956 |
| 7631        | 0.031002   | mRNA for KIAA0794 protein, partial cds.   | AB018337      | Hs.127287  | *         |
| 0           |            | /cds=(1,1473) /gb=AB018337                |               |            | 87        |
| :           | 38         | /gi=3882308 /ug=Hs.127287 /len=4656       |               | i ×        |           |
| *           |            |   |               |            |           |
| 7649        | 0.031002   | cDNA FLJ20709 fis, clone KAIA1124,        | AK000716      | Hs.24697   |           |
| *           |            | highly similar to D86324 mRNA for CMP     |               |            |           |
| •           |            | N-acetylneuraminic acid. /gb=AK000716     | * *           | *          |           |
|             |            | /gi=7020978 /ug=Hs.24697 /len=3488        |               | * * *      |           |
|             |            |   |               |            |           |
| 7664        | 0.04638    | hypothetical protein DKFZp761J139         | NM_032280     | Hs.15536   | NP_115656 |
| 0 .         | 1.         | (DKFZp761J139), mRNA                      |               | 0.0        |           |
|             | <b>)</b> . | /cds=(3155,3970) /gb=NM_032280            | 1             |            |           |
|             |            | /gi=14150026 /ug=Hs 15536 /len=4635       | *             |            | * *       |
|             |            |   |               |            |           |
| 7667        | 0.031002   | cDNA FLJ31147 fis, clone                  | AK055709      | Hs.6670    |           |
|             |            | IMR322001438. /gb=AK055709                |               |            |           |
| 700.        | 0.00.1070  | /gi=16550504 /ug=Hs.6670 /len=1747        | 1110          | 200004     | 1 12      |
| 7694        | 0.034378   | cDNA FLJ25013 fis, clone CBL01365.        | AK057742      | Hs.380091  | *         |
|             |            | /gb=AK057742 /gi=16553667                 |               |            |           |
| 7000        | 0.004070   | /ug=Hs.380091 /len=2200                   | NIN 000004    | 11. 00070  | ND 000045 |
| 7696        | 0.034378   | glycine receptor, beta (GLRB), mRNA       | NM_000824     | Hs.32973   | NP_000815 |
|             |            | /cds=(142,1635) /gb=NM_000824             |               |            | , y       |
|             |            | /gi=24431943 /ug=Hs.32973 /len=2649       | *             |            |           |
| 7700        | 0.00772    | mRNA; cDNA DKFZp564B222 (from             | AL049974      | Hs.100261  |           |
| 7700        | 0.00772    | clone DKFZp564B222) /gb=AL049974          | AL049974      | 115.100201 |           |
|             |            | /gi=4884224 /ug=Hs.100261 /len=2315       | } · .         |            |           |
|             | 7          | 191-4004224 /ug-113.100201 /len-2313      | 100           |            |           |
| 7704        | 0.005949   | solute carrier family 35 (CMP-sialic acid | NM 006416     | Hs.82921   | NP_006407 |
| ', ', ', ', | 3.000043   | transporter), member 1 (SLC35A1),         | 1.5111_000410 | 1.10.02021 | -000407   |
| <u> </u>    |            | mRNA /cds=(28,1041) /gb=NM_006416         |               |            |           |
|             | ,          | /gi=20149579 /ug=Hs.82921 /len=1883       |               | -          |           |
|             |            | 1   |               |            | 100       |
| 7715        | 0.027906   | yw32d06.s1 Morton Fetal Cochlea           | N22084        | Hs.440534  |           |
|             |            | cDNA clone IMAGE:253931 3', mRNA          |               |            | [         |
|             |            | sequence /clone=IMAGE:253931              |               |            |           |
|             |            | /clone_end=3' /gb=N22084 /gi=1128218      |               | - 535      |           |
| 1           |            | /ug=Hs.440534 /len=230                    |               |            | J .       |

| S        | oot  | p-value  | Description   | Gene                                    | Unigene            | Protein    |
|----------|------|----------|---|---|--------------------|------------|
| '        |      |          |   | Accession                               | Accession          | Accession  |
|          |      |          |   | No.                                     | No.                | No.        |
| 77       | 19   | 0.038054 | endothelial differentiation,  | NM_057159                               | Hs.75794           | NP_476500  |
|          | ٠.   |          | lysophosphatidic acid G-protein-coupled                               |   | - /                |            |
|          |      | S        | receptor, 2 (EDG2), transcript variant 2,                             | r. 0                                    |                    |            |
|          | ١ .  |          | mRNA /cds=(394,1488)  |   | •                  |            |
| '        |      |          | /gb=NM_057159 /gi=16950637  |   |                    |            |
| -        |      |          | /ug=Hs.75794 /len=2732  | *                                       |                    | ,          |
| 17       | 732  | 0.014265 | hypothetical protein FLJ20265   | NM_017733                               | Hs.7099            | NP_060203  |
| - 1      | ,    |          | (FLJ20265), mRNA /cds=(40,1854)                                       |   | .**                | -          |
|          |      |          | /gb=NM_017733 /gi=8923239   | " · · · · · · · · · · · · · · · · · · · | *                  |            |
|          |      | 0.000004 | /ug=Hs.7099 /len=2039   | N/M/ 000000                             | 11 000004          | ND 445704  |
| ' '      | 739  | 0.009931 | hypothetical protein MGC12458   | NM_032328                               | Hs.330664          | NP_115704  |
|          |      |          | (MGC12458), mRNA /cds=(30,518)<br>/gb=NM_032328 /gi=14150107          |   |                    |            |
|          |      |          | /gg=Hs.330664 /len=1026   |   | 0.0                |            |
| 77       | 740  | 0.00344  | tripartite motif-containing 32 (TRIM32),                              | NM 012210                               | Hs.236218          | NP 036342  |
| ' '      | 70   | 0.00544  | mRNA /cds=(134,2095)  | 14101_012210                            | 115.230210         | INF_0000#2 |
|          |      | * *      | /gb=NM_012210 /gi=15208649  |   | * .                | (1)        |
|          |      |          | /ug=Hs.236218 /len=3160   | 0.0                                     | *                  | •          |
| 77       | 748. | 0.031002 | Hypothetical protein HSPC232, clone                                   | BC025306                                | Hs.281428          | NP 057572  |
| ;        |      |          | IMAGE:4893383, mRNA, partial cds                                      |   |                    |            |
|          |      |          | /cds=UNKNOWN /gb=BC025306   | 0                                       |                    | •.         |
| 1.       |      | ,        | /gi=19263704 /ug=Hs.281428 /len=3392                                  |   |                    | *          |
| . ×      |      |          |   |   | ř                  | *          |
| 77       | 751  | 0.012669 | Leishmanolysin-like (metallopeptidase                                 | AL565471                                | Hs.90363           | NP_149018  |
| 100      |      |          | M8 family), cDNA  | 1.0                                     |                    | * - *      |
|          |      |          | /clone=CS0DF004YF03 /gb=AL565471                                      |   | E.                 |            |
|          |      |          | /gi=12916880 /ug=Hs.90363 /len=1028                                   | ٠,٠٠٠ .                                 | • •                |            |
| <u> </u> |      |          | - 100   | 1, 100 2,002 4                          |                    |            |
| 77       | 755  | 0.005206 | catenin (cadherin-associated protein),                                | NM_003798                               | Hs.58488           | NP_003789  |
|          | ٠.'  | ,        | alpha-like 1 (CTNNAL1), mRNA  |   |                    | 3.         |
|          | : ·  | 1        | /cds=(44,2248) /gb=NM_003798  | *                                       | *                  |            |
| 1.7      | 750  | 0.000400 | /gi=4503128 /ug=Hs.58488 /len=2446                                    | A D044000                               | H= 400047          |            |
| 1"       | 758  | 0.020126 | mRNA for KIAA0527 protein, partial cds.<br>/cds=(1,2308) /gb=AB011099 | MB0 LI088                               | Hs.196647          |            |
| 1        |      |          | /gi=3043577 /ug=Hs.196647 /len=5005                                   | k-                                      |                    | *          |
|          |      |          | 191=3043377 74g=113.130047 71e11=3003                                 | - "                                     |                    | -          |
| 7        | 774  | 0.008765 | leucine-rich repeat-containing 5                                      | NM 018103                               | Hs.44672           | NP 060573  |
| '        |      |          | (LRRC5), mRNA /cds=(917,2965)   |   |                    | -5555,5    |
|          | ;    |          | /gb=NM_018103 /gi=24431980  |   | . (                | ·          |
|          |      | _        | /ug=Hs.44672 /len=3338  |   |                    |            |
| 7        | 775  | 0.031002 | fibronectin gene ED-A region  | X07718                                  |                    | -          |
|          | 791  |          | brain cell membrane protein 1 (BCMP1),                                | NM_031442                               | Hs:8769            | NP_113630  |
|          |      |          | mRNA /cds=(10,555) /gb=NM_031442                                      |   | <i>y</i> .         | <u>ਜ</u>   |
| 1        |      |          | /gi=13899272 /ug=Hs.8769 /len=3803                                    | 4                                       | h <sub>a</sub> e i |            |
|          |      |          |   |   | *                  |            |
| 78       | 303  | 0.011228 | EST(yi82d03.s1 Soares placenta  | R77952                                  |                    |            |
|          |      |          | Nb2HP clone IMAGE:145733 3'   |   |                    |            |
|          |      |          | gb:D00762 PROTEASOME  | 15-                                     |                    |            |
| L        |      | <u>L</u> | COMPONENT C8)   |   | l                  | L          |

| Spot   | p-value      | Description  | G ne          | Unigene                                 | Protein    |
|--------|--------------|--|---------------|---|------------|
|        |              | * *  | Accession     | Accession                               | Accession  |
|        |              |  | No.           | No.                                     | No.        |
| 7826   | 0.022485     | yh68a05.s1 Soares placenta Nb2HP                           | R32301        | Hs.386871                               |            |
|        |              | cDNA clone IMAGE:134864 3', mRNA                           | <b>,</b> .    |   | 00.0       |
|        |              | sequence /clone=IMAGE:134864                               |               |   | (1)        |
|        |              | /clone_end=3' /gb=R32301 /gi=788144                        | V             |   |            |
|        |              | /ug=Hs.386871 /len=246                                     |               |   |            |
| 7828   | 0.025072     | BX101939 Soares infant brain 1NIB                          | BX101939      | Hs.269499                               |            |
|        |              | cDNA clone IMAGp998C11163, mRNA                            |               | ,                                       |            |
|        |              | sequence   |               | e e                                     |            |
| 1      |              | /clone=IMAGp998C11163_;_IMAGE:36                           | •             |   | ·          |
| 1 '    | *            | 364 /gb=BX101939 /gi=27831516                              | : :           | · •                                     | 1          |
|        |              | /ug=Hs.269499 /len=493                                     |               |   |            |
| 7840   | 0.025072     | UI-H-EI1-azh-n-13-0-UI.s1                                  | BQ005547      | Hs.445146                               |            |
|        |              | NCI_CGAP_EI1 cDNA clone                                    | 4=            |   |            |
| 1      | • '          | IMAGE:5848908 3', mRNA sequence                            |               |   |            |
| 1      |              | /clone=IMAGE:5848908 /clone_end=3'                         |               |   |            |
|        |              | /gb=BQ005547 /gi=19730447                                  |               |   |            |
| 7055   | 0.000485     | /ug=Hs.445146 /len=994<br>EST(tz31e10.x1 NCI_CGAP_Ut2 cDNA | A1630007      | - · · · · · · · · · · · · · · · · · · · | ND 000003  |
| 7855   | 0.022485     | clone IMAGE:2290218 3')                                    | AI630897      | : 4.4                                   | NP_008993  |
| 7865   | 0.00344      | hypothetical protein (clone ZC48G09)                       | AF086209      |   | NP_056347  |
| 7888   |              | cDNA FLJ31107 fis, clone                                   | AK055669      | Hs.405954                               | INF_030347 |
| 1 7000 | 0.054576     | IMR322000152. /gb=AK055669                                 | AK033009      | 118.403934                              |            |
|        |              | /gi=16550452 /ug=Hs.405954 /len=2250                       | 90            |   |            |
|        | (4)          | /gi= 10000402 /dg=113.400004 /icii=2200                    |               |   |            |
| 7896   | 0.042048     | zh21a11.s1   | AA722220      | Hs.290553                               |            |
| }      |              | Soares_pineal_gland_N3HPG cDNA                             |               |   |            |
|        |              | clone IMAGE:412700 3', mRNA                                | ,             |   | ,          |
|        |              | sequence /clone=IMAGE:412700                               |               | [                                       | [          |
|        | n.           | /clone_end=3' /gb=AA722220                                 | *             | ] .                                     | ]          |
|        | *            | /gi=2739927 /ug=Hs.290553 /len=342                         |               |   |            |
| 7899   | 0.004545     | UI-E-DW0-agk-i-01-0-UI.r1 UI-E-DW0                         | BM696546      | Hs.356149                               |            |
|        |              | cDNA clone UI-E-DW0-agk-i-01-0-UI 5',                      | , :           |   |            |
| *.     |              | mRNA sequence /clone=UI-E-DW0-agk-                         |               | ,                                       |            |
| ,      |              | i-01-0-UI /clone_end=5' /gb=BM696546                       |               |   |            |
| · **:  | i .          | /gi=19009804 /ug=Hs.356149 /len=1200                       |               |   |            |
|        |              |  |               |   |            |
| 7900   | 0.034378     | EST(hi90a11.x1   | AW665382      |   |            |
| 1      |              | Soares_NFL_T_GBC_S1 clone                                  | _             | ].                                      |            |
| 7775   | 1 2 2 2 2 2  | IMAGE:2979548 3')  |               |   | ND (125==  |
| 7908   | 0.04638      | EST EST43399 Fetal brain I cDNA 3'                         | AA338448      | * 1                                     | NP_112577  |
| 7040   |              | end  | 454555        |   | ND 000005  |
| 7912   | 0.031002     | EST zx48b06 r1 Soares_testis_NHT                           | AA454038      |   | NP_060395  |
|        |              | cDNA clone IMAGE:795443 5' similar to                      |               |   |            |
| 1      |              | contains Alu repetițive element; contains                  |               |   |            |
|        |              | element MER13 repetitive element ;                         |               |   | j. *       |
| 7928   | 0.005206     | hypothetical protein HSPC195                               | NM 016463     | Hs.356509                               | -          |
| 1 1920 | 0.005206     | (HSPC195), mRNA /cds=(293,889)                             | 14101_0 10403 | 118.330008                              | ]          |
|        |              | /gb=NM_016463 /gi=20070365                                 |               |   |            |
|        |              | /ug=Hs.356509 /len=1108                                    |               | 1.                                      | 1          |
|        | <del> </del> | rug=118.000008 /ICH= 1 100                                 | I             |   |            |

|   | Spot  | p-value   | Description   | G ne                                  | Unigene      | Protein     |
|---|-------|-----------|---|---------------------------------------|--------------|-------------|
| ļ | -     |           |   | Accession                             | Accession    | Accession   |
| ŀ | 7950  | 0.04630   | cDNA sequence FLJ13553 fis, clone   | <b>No.</b><br>AK023615                | No.          | No.         |
|   | 7950  |           | PLACE1007454  |                                       | *            | NP_006818   |
| 1 | 7958  | 0.022485  | enhancer of rudimentary (Drosophila)  | NM_004450                             | Hs.433413    | NP_004441   |
|   |       | •         | (ERH), mRNA /cds=(72,386)   | * -                                   |              |             |
| l |       | . *       | /gb=NM_004450 /gi=4758301   |                                       | }            |             |
| ł | 7980  | .0.024279 | /ug=Hs.433413 /len=815<br>splicing factor, arginine/serine-rich 12  | NM_139168                             | Hs.381165    | NP 631907   |
| ۱ | 7,900 | 0.034376  | (SFRS12), mRNA /cds=(342,1868)  | 14141_129100                          | 1118.301103  | NP_03 1907  |
| 1 |       |           | /gb=NM_139168/gi=21040254   |                                       | <i>y</i> .   |             |
|   |       |           | /ug=Hs.381165 /len=3811   |                                       | *            |             |
| I | 7981  | 0.046375  | mRNA for KIAA1691 protein, partial cds.   | AB051478                              | Hs.94761     |             |
|   |       | *         | /cds=(78,1754) /gb=AB051478   | · · · · · · · · · · · · · · · · · · · |              |             |
| 1 |       | (1)       | /gi=20521967 /ug=Hs.94761 /len=4816   | );<br>(1)                             | [            |             |
| ŀ | 7005  | 0.040045  |   |                                       |              |             |
|   | 7995  | 0.042048  | lysophospholipase II (LYPLA2), mRNA   | NM_007260                             | Hs 283655    | NP_009191   |
| ł |       | 1.5       | /cds=(122;817) /gb=NM_007260<br>/gi=20302149 /ug=Hs.283655 /len=1648  |                                       | 0.0          |             |
|   |       |           | /gi=2000214374g=113.2000037ien=1040<br>   |                                       |              |             |
| I | 8004  | 0.038054  | topoisomerase (DNA) I (TOP1), mRNA  | NM_003286                             | Hs.317       | NP_003277   |
| l |       |           | /cds=(247,2544) /gb=NM_003286   |                                       | ł <i>.</i>   |             |
| ŀ |       | 0.000054  | /gi=19913404 /ug=Hs.317 /len=3734   | NN 045000                             | 11 00704     | ND 057000   |
|   | 8019  | 0.036054  | CGI-40 protein (CGI-40), mRNA<br>/cds=(84,2621) /gb=NM_015996   | NM_015996                             | Hs.33724     | NP_057080   |
|   |       |           | /gi=7705756 /ug=Hs.33724 /len=3146  |                                       |              |             |
| Ì | 8044  | 0.042048  | chromosome 14 open reading frame 10   | NM 017917                             | Hs.49376     | NP 060387   |
| ĺ |       |           | (C14orf10), mRNA /cds=(277,1638)  |                                       |              | _           |
|   |       |           | /gb=NM_017917 /gi=8923599   |                                       |              |             |
| ١ | 0000  | 0.001000  | /ug=Hs.49376 /len=1781  |                                       |              | *           |
| l | 8050  | 0.031002  | hypothetical protein FLJ22557   | NM_024713                             | Hs.106101    | NP_078989   |
| İ |       | ·         | (FLJ22557), mRNA /cds=(87,1001)<br>/gb=NM 024713 /gi=13376012   |                                       |              |             |
| ١ |       |           | /ug=Hs.106101 /len=2676   | *                                     | . /          | •           |
| Ì | 8086  | 0.038054  | transmembrane, prostate androgen  | NM_020182                             | Hs.83883     | NP_064567   |
|   |       |           | induced RNA (TMEPAI), mRNA  | _                                     |              | <u> </u>    |
| l |       |           | /cds=(321,1184) /gb=NM_020182   |                                       |              | .           |
|   |       |           | /gi=21361840 /ug=Hs.83883 /len=4839   | *                                     |              |             |
| - | 8112  | 0.034378  | ankylosis, progressive (mouse) (ANKH),  | NM_054027                             | Hs.168640    | NP_473368   |
| 1 |       | )         | transcript variant 2, mRNA  |                                       |              |             |
|   |       |           | /cds=(265,1743) /gb=NM_054027   | ) . ·                                 | -            |             |
|   | •     |           | /gi=21536394 /ug=Hs.168640 /len=4031  | · 🗸 ·                                 |              | ·           |
| ł | 0470  | 0.000400  | Similar to make the second of | DO040005                              | 11- 0704     | ND 000000   |
|   | 8176  | 0.020126  | Similar to serine threonine protein kinase, clone MGC:20014   | BC012085                              | Hs.8724      | NP_009202   |
|   |       | ,         | IMAGE:4554884, mRNA, complete cds   |                                       |              |             |
|   |       |           | (BC012085.1)  | / .                                   |              | , ,         |
| 4 |       |           | · · · · · · · · · · · · · · · · · · ·   | · ,                                   | <del> </del> | <del></del> |

| Spot        | p-value     | Description   | Gene          | Unigene                               | Protein     |
|-------------|-------------|---|---------------|---------------------------------------|-------------|
|             | •           |   | Accession     | Accession                             | Accession   |
|             |             |   | No.           | No.                                   | No.         |
| 8199        | 0.04638     | hypothetical protein MGC18216                                     | NM_152452     | Hs.104679                             | NP_689665   |
|             |             | (MGC18216), mRNA /cds=(2207,2374)                                 |               |                                       | . 10-0      |
| <u>.</u>    |             | /gb=NM_152452 /gi=22748948  |               |                                       |             |
|             |             | /ug=Hs.104679 /len=3270   |               |                                       |             |
|             |             |   |               | ×                                     |             |
| 8212        | 0.00772     | mRNA; cDNA DKFZp434D193 (from                                     | AL080129      | Hs.225841                             |             |
|             |             | clone DKFZp434D193); partial cds                                  |               |                                       | 9           |
|             | •           | /cds=(1,2240) /gb=AL080129<br>/gi=5262567 /ug=Hs.225841 /len=3605 |               |                                       |             |
|             | ·           | /gi=5262567 /ug=Hs.225641 /ieii=3605                              |               |                                       |             |
| 8222        | 0.022485    | prefoldin 5 (PFDN5), transcript variant                           | NM 002624     | Hs.288856                             | NP_665904   |
| , OLLL      | 0.022400    | 1, mRNA /cds=(36,500)   | 002021        | 113.200000                            | 111 _000004 |
|             | 8           | /gb=NM_002624 /gi=22202632  | ·.            |                                       |             |
|             |             | /ug=Hs.288856 /len=661  |               |                                       |             |
| 8224        | 0.022485    | hypothetical protein, MGC:7199                                    | NM_138459     | Hs.289008                             | NP_612468   |
|             |             | (LOC116150), mRNA /cds=(174,1055)                                 |               | -                                     | ***         |
| ē.          |             | /gb=NM_138459 /gi=20270242  |               |                                       |             |
|             |             | /ug=Hs.289008 /len=2645   |               | ·                                     |             |
| 8243        | 0.038054    | T-cell lymphoma invasion and                                      | NM_012454     | Hs.12598                              | NP_036586   |
|             |             | metastasis 2 (TIAM2), mRNA  |               |                                       |             |
|             | 7           | /cds=(51,3284) /gb=NM_012454                                      | . 000         |                                       | <b>!</b> '  |
| 8316        | 0.038054    | /gi=6912703 /ug=Hs.12598 /len=4586<br>clone IMAGE:4794726, mRNA   | BC042028      | Hs.367688                             |             |
| 0310        | 0.030034    | /gb=BC042028 /gi=27469506   | DC042020      | 115.507000                            |             |
|             |             | /ug=Hs.367688 /len=1479   |               | :                                     | * *         |
| 8324        | 0.016031    | hypothetical protein (FLJ10562 fis, clone                         | AK001424      | i i i i i i i i i i i i i i i i i i i | NP_057116   |
|             |             | NT2RP2002701)   |               |                                       | -           |
| 8338        | 0.031002    | cDNA FLJ14181 fis, clone  | AK024243      | Hs.130874                             |             |
|             | 7           | NT2RP2004300. /gb=AK024243  |               |                                       | ,           |
|             |             | /gi=10436570 /ug=Hs.130874 /len=4411                              |               |                                       |             |
| 0050        | 0 007000    | 507.6   | A = 1 = 0.100 |                                       |             |
| 8358        | 0.027906    | EST from cd34 stem cells Human                                    | AF150123      |                                       |             |
| 8363        | 0.031002    | sapiens cDNA clone CBCALE06<br>hypothetical protein FLJ14753      | NM_032558     | He 13453                              | NP_115947   |
| 0000        | 0.03 1002   | (FLJ14753), mRNA /cds=(247,1095)                                  | 14101_032330  | HS.13453                              | -113347     |
|             |             | /gb=NM_032558 /gi=14211858  |               |                                       |             |
|             | A 25        | /ug=Hs.13453 /len=2593  |               |                                       | <u> </u>    |
| 8366        | 0.04638     | ob70e10.s1 NCI_CGAP_GCB1 cDNA                                     | AA809350      | Hs.246180                             | 3           |
|             |             | clone IMAGE:1336746 3', mRNA                                      |               |                                       |             |
|             |             | sequence /clone=IMAGE:1336746                                     | * * .         |                                       |             |
| '           | '           | /clone_end=3' /gb=AA809350  |               |                                       |             |
| 0.750       | 00/===      | /gi=2878756 /ug=Hs.246180 /len=454                                | 11000100      |                                       | <u> </u>    |
| 8402        | 0.04638     | EST (wh75b01.x1 NCI_CGAP_CLL1                                     | A1809166      |                                       | +           |
|             |             | cDNA clone IMAGE:2386537 3' similar                               | ` .           |                                       |             |
|             |             | to gb:X69392 60S RIBOSOMAL<br>PROTEIN L26 (HUMAN);contains L1.b3  |               |                                       |             |
|             |             | L1 repetitive element;  |               |                                       | :           |
| 8438        | 0.022485    | mRNA sequence /gb=L26969  | L26969        | Hs.362852                             |             |
|             |             | /gi=16905391 /ug=Hs.362852 /len=1738                              |               |                                       |             |
|             |             |   |               | -                                     |             |
| <del></del> | <del></del> | <del>1</del>  | <del></del>   |                                       |             |

| ,     |             | Description  | Gene      | Unigene     | Protein  |
|-------|-------------|--|-----------|-------------|--|
|       |             | 7.0  | Accession | Accession   | Accession  |
|       |             | * *  | No.       | No.         | No.  |
| 8442  | 0.042048    | UI-H-FL1-bgw-f-18-0-UI.s1                                  | BU634141  | Hs.32163    | 1101   |
|       |             | NCI_CGAP_FL1 cDNA clone UI-H-FL1-                          |           | 1.10.02.100 |  |
|       |             | bgw-f-18-0-UI 3', mRNA sequence                            | 12        |             |  |
|       |             | /clone=UI-H-FL1-bgw-f-18-0-UI                              | -         |             |  |
| 0 .   | ,           | /clone_end=3' /gb=BU634141                                 |           |             |  |
|       |             |  |           |             |  |
|       | 2           | /gi=23301396 /ug=Hs.32163 /len=1068                        |           |             | **   |
| 8443  | 0.034003    | III II FIId book 44 O I II od                              | DO449405  | He 420000   | <del> </del>   |
| 0443  | 0,031002    | UI-H-EU1-bag-b-11-0-UI.s1                                  | BQ448425  | Hs.438826   | 77   |
|       |             | NCI_CGAP_Ct1 cDNA clone UI-H-EU1-                          | 1-1       |             |  |
| )     | - 3         | bag-b-11-0-UI 3', mRNA sequence                            | 4.        |             |  |
|       |             | /clone=UI-H-EU1-bag-b-11-0-UI                              | . 131 -   |             | *  |
|       |             | /clone_end=3' /gb=BQ448425                                 |           | 131 *       |  |
|       |             | /gi=21251537 /ug=Hs.438826 /len=1023                       |           |             |  |
| · · . |             |  |           |             |  |
| 8447  | 0.01798     | cDNA FLJ32621 fis, clone                                   | AK057183  | Hs.425445   |  |
|       | ·           | STOMA2000395. /gb=AK057183                                 |           |             |  |
|       | 5           | /gi=16552779 /ug=Hs.425445 /len=2648                       | *.        | 111         |  |
| •     |             |  | × .       | * *         | ·  |
| 8462  | 0.044138    | reverse transcriptase (non-exact)                          | AAB02291  |             |  |
| 8473  |             | EST(xe97d09.x1 NCI_CGAP_Brn35                              | AW129107  |             | ×  |
| ;     |             | cDNA clone IMAGE:2616497 3')                               | *         | •           |  |
| 8486  | 0.023403    | cDNA, 3' end /clone=IMAGE:1935382                          | Al340092  | Hs.327321   | NP 002370  |
|       |             | /clone_end=3' /gb=Al340092                                 |           |             | · · · <del>-</del> · · · · ·   |
|       | ł           | /gi=4077019 /ug=Hs.327321 /len=361                         | • .       | ÷.          | 1  |
| 8494  | 0.020126    | UI-H-DH0-aul-j-10-0-UI.s1                                  | BM994461  | Hs.434057   |  |
| 0.0.  | 1 0.020 .20 | NCI_CGAP_DH0 cDNA clone                                    | 5.0.00    | 110.101007  | }  |
| 9     | 8           | IMAGE:5871081 3', mRNA sequence                            | =' '      |             |  |
|       | l ·         | /clone=IMAGE:5871081 /clone_end=3'                         |           |             |  |
|       |             | /gb=BM994461 /gi=19719362                                  | *         |             |  |
|       | ł           |  |           |             |  |
| 8511  | 0.01700     | /ug=Hs.434057 /len=2059<br>EST(yx64g06.r1 clone 266554 5') | N31192    | <del></del> |  |
|       |             |  |           |             | ND 642206  |
| 8523  | 0.01/98     | EST (0x48a03.x1  | Al038291  | 1           | NP_612206  |
|       | [           | Soares_total_fetus_Nb2HF8_9wIMAGE                          |           |             |  |
| 0500  | 0.000001    | :1659532 3')   | DE074500  |             |  |
| 8528  | 0.009931    | EST (602152342F1 NIH_MGC_81                                | BF671599  |             |  |
|       |             | cDNA clone IMAGE:4293442 5')                               |           |             | ,,   |
| 8531  | 0.042048    | cDNA FLJ40915 fis, clone                                   | AK098234  | Hs.207079   | ,  |
|       | ]           | UTERU2005450. /gb=AK098234                                 | •         |             | J  |
| . !   |             | /gi=21758205 /ug=Hs.207079 /len=2739                       |           |             |  |
|       |             |  |           | ·           |  |
| 8532  | 0.00789     | sin3-associated polypeptide, 18kDa                         | NM_005870 | Hs.23964    | NP_005861  |
|       |             | (SAP18), mRNA /cds=(65,526)                                |           | )           |  |
|       |             | /gb=NM_005870 /gi=23510407                                 |           |             | ]  |
|       |             | /ug=Hs.23964 /len=2035                                     |           | ·           | ì  |
| 8545  | 0.038054    | as32a11.x1 Barstead aorta HPLRB6                           | AI707688  | Hs.369595   |  |
|       | }           | cDNA clone IMAGE:2318876 3', mRNA                          |           |             |  |
| ı     |             | sequence /clone=IMAGE:2318876                              |           |             | ,  |
|       | 1           | /clone_end=3' /gb=AI707688                                 |           |             | <b>}</b>   |
|       |             |  |           |             | P. Contraction of the Contractio |
| •     |             | /gi=4997464 /ug=Hs.369595 /len=518                         |           | 1           | •  |

| Spot    | p-valu     | Description                           | Gene      | Unig ne   | Protein                                 |
|---------|------------|---------------------------------------|-----------|-----------|---|
| St.     | ·          |                                       | Acc ssion | Accession | Accession                               |
|         |            |                                       | No.       | No.       | No.                                     |
| 8560    | 0.04638    | ribosomal protein L28 (RPL28), mRNA   | NM_000991 | Hs.356371 | NP_000982                               |
| ( v     |            | /cds=(43,456) /gb=NM_000991           | •         |           |   |
| ).      |            | /gi=13904865 /ug=Hs.356371 /len=500   |           |           |   |
|         |            |                                       |           |           |   |
| 8561    | 0.004545   | UI-H-BI2-agy-f-12-0-UI.s1             | AW292315  | Hs.435074 |   |
|         |            | NCI_CGAP_Sub4 cDNA clone              |           |           |   |
|         |            | IMAGE:2726158 3', mRNA sequence       |           | *         | ,                                       |
| - X - T |            | /clone=IMAGE:2726158 /clone_end=3'    |           |           |   |
|         | ; .        | /gb=AW292315 /gi=6698951              | *         |           |   |
|         |            | /ug=Hs.435074 /len=1117               |           |           |   |
| 8567    | 0.008979   | UI-E-CL1-afg-f-16-0-UI.r1 UI-E-CL1    | BM702572  | Hs.446404 | • |
|         |            | cDNA clone UI-E-CL1-afg-f-16-0-UI 5', |           | '         |   |
| -       |            | mRNA sequence /clone=UI-E-CL1-afg-f-  |           |           | . •                                     |
|         |            | 16-0-UI /clone_end=5' /gb=BM702572    | , W       |           |   |
|         |            | /gi=19015830 /ug=Hs.446404 /len=1067  | · 6-1-    |           |   |
|         |            |                                       |           |           |   |
| 8568    |            | EST(clone IMAGE:4733034 5')           | BG619661  |           |   |
| 8572    | 0.038054   | Ül-H-EU0-azo-d-01-0-Ul.s1             | BQ180851  | Hs.436432 | -                                       |
|         |            | NCI_CGAP_Car1 cDNA clone IMAGE:       | 0.1       |           |   |
| . ,     | }          | 5851344 3', mRNA sequence             | - *       |           |   |
| i- , ı  | •          | /clone=IMAGE:_5851344 /clone_end=3'   |           |           |   |
|         |            | /gb=BQ180851 /gi=20356343             |           | ٠.        |   |
| er e    |            | /ug=Hs.436432 /len=1067               |           | i i       |   |
|         |            |                                       |           |           |   |
| 8580    | 0.032415   | BX096173 Soares_testis_NHT cDNA       | BX096173  | Hs.188780 |   |
|         | - 11       | clone IMAGp998F151793, mRNA           | ·         | •         |   |
|         | Ÿ          | sequence                              |           | !         |   |
|         |            | /clone=IMAGp998F151793_;_IMAGE:7      |           |           | ľ                                       |
|         |            | 30766 /gb=BX096173 /gi=27842669       |           |           |   |
|         |            | /ug=Hs.188780 /len=556                |           |           |   |
| 8595    | 0.027906   | ribosomal protein L3 (RPL3), mRNA     | NM_000967 | Hs.119598 | NP_000958                               |
|         |            | /cds=(27,1238) /gb=NM_000967          | * .       |           |   |
|         |            | /gi=16507968 /ug=Hs.119598 /len=1311  |           |           |   |
|         | 4124       |                                       |           |           |   |
| 8596    | 0.008765   | UI-E-CQ1-acq-f-05-0-UI.r1 UI-E-CQ1    | BM688680  | Hs.406520 |   |
|         |            | cDNA clone UI-E-CQ1-acq-f-05-0-UI 5', | 100       |           | -                                       |
|         |            | mRNA sequence /clone=UI-E-CQ1-acq-    |           | ,         | ,                                       |
|         |            | f-05-0-UI /clone_end=5' /gb=BM688680  | )         |           |   |
|         |            | /gi=19001938 /ug=Hs.406520 /len=934   |           |           | 1                                       |
| 10555   | 0.000=     |                                       |           | 11 22     | , , ,                                   |
| 8597    | 0.022485   | hypothetical protein MGC23918         | NM_144716 | Hş.43773  | NP_653317                               |
| 1       |            | (MGC23918), mRNA /cds=(17,517)        |           |           | ł                                       |
|         |            | /gb=NM_144716 /gi=21389496            |           |           |   |
| 00.00   |            | /ug=Hs.43773 /len=874                 |           |           |   |
| 8613    | 0.006784   | ESTs, cDNA, 3' end                    | AI039268  | Hs.131973 |   |
| 72      | 1          | /clone=IMAGE:1658128 /clone_end=3'    |           |           |   |
|         | -          | /gb=Al039268 /gi=3278462              |           |           | • .                                     |
| 00.5    | 0.00.15.5  | /ug=Hs.131973 /len=437                |           |           | <u> </u>                                |
| 8618    | J 0.031002 | EST(HOA (Human Osteoarthritic         | BG896206  |           | ]                                       |
|         |            | Cartilage) Homo sapiens cDNA)         | ·         | L         |   |

| Spot         | p-valu   | Description  | Gene                                  | Unigene      | Protein       |
|--------------|----------|--|---------------------------------------|--------------|---------------|
|              |          |  | Acc ssion                             | Accession    | Accession     |
|              |          | *  | No.                                   | No.          | No.           |
| 8669         | 0.04638  | cDNA FLJ10190 fis, clone   | AK001052                              | Hs.274546    |               |
|              | ~        | HEMBA1004753. /gb=AK001052                                       |                                       |              |               |
| * * *        | , + +m   | /gi=7022081 /ug=Hs.274546 /len=1318                              |                                       |              |               |
| 79.          |          |  |                                       |              |               |
| 8670         | 0.006049 | mRNA; cDNA DKFZp434A128 (from                                    | AL122120                              | Hs.313948    |               |
|              |          | clone DKFZp434A128); partial cds                                 |                                       |              |               |
|              | •        | /cds=(621,2888) /gb=AL122120                                     | *                                     | *            |               |
|              |          | /gi=6102946 /ug=Hs.313948 /len=4493                              |                                       |              | •             |
|              |          | × 5  |                                       |              |               |
| 8675         | 0.04638  | UI-H-EI0-ayo-a-20-0-UI.s1  | BQ004581                              | Hs.412459    |               |
| 1            |          | NCI_CGAP_EI0 cDNA clone  |                                       |              |               |
|              |          | IMAGE:5841307 3', mRNA sequence                                  | *                                     |              | *.            |
|              | (30)     | /clone=IMAGE:5841307 /clone_end=3'                               |                                       |              |               |
|              |          | /gb=BQ004581 /gi=19729481  |                                       |              |               |
|              | , ,      | /ug=Hs.412459 /len=1095  |                                       | •            |               |
| 8729         | 0.020126 | cDNA FLJ30135 fis, clone   | AK054697                              | Hs.34906     | NP 776170     |
|              |          | BRACE2000061. /gb=AK054697                                       |                                       |              | -             |
| 1 2          | }        | /gi=16549295 /ug=Hs.34906 /len=2024                              |                                       |              | .•            |
|              | -        | 100 10200 14g   16.0 1000 1611 2021                              |                                       | ),           |               |
| 8732         | 0.011228 | UI-H-DT1-awm-I-24-0-UI.s1  | BQ019127                              | Hs.434910    |               |
| 0,02         | 0.011220 | NCI_CGAP_DT1 cDNA clone  | DG010121                              | 110.404040   |               |
| . *          | 84 P     | IMAGE:5891495 3', mRNA sequence                                  | - 100                                 |              |               |
|              |          | /clone=IMAGE:5891495 /clone_end=3'                               |                                       | 1            |               |
| ٠.           |          | /gb=BQ019127 /gi=19754404  |                                       |              | 7             |
|              |          | /ug=Hs.434910 /len=896   | :                                     |              |               |
| 8769         | 0.042048 | EST(adult brain Danio rerio cDNA clone                           | BI429083                              | 200          |               |
| 0,00         | 0.042040 | 4966301 5' similar to SW:RLA1_CHICK                              | D1420000                              | . *3         |               |
| ,            |          | P18660 60S ACIDIC RIBOSOMAL                                      |                                       |              |               |
| ·            | ٠.       | PROTEIN P1. ;contains element                                    |                                       |              |               |
| ĺ            |          | MER22 repetitive element;)                                       |                                       |              |               |
|              |          |  |                                       |              |               |
| 8782         | 0.025072 | mitochondrion, complete genome                                   | NC_001807                             |              |               |
| 8791         |          | tg51b06.x1 Soares_NFL_T_GBC_S1                                   | Al419722                              | Hs 161220    |               |
| 0/91         | 0.010031 | ICDNA clone IMAGE:2112275 3', mRNA                               | 19122                                 | 1115.101220  |               |
| -            |          | sequence /clone=IMAGE:2112275                                    |                                       | 4            | 1 1           |
| 1            |          | /clone_end=3' /gb=Al419722                                       |                                       |              |               |
|              |          | /clone_end=3 /gb=Al419/22<br> /gi=4265653 /ug=Hs.161220 /len=484 |                                       |              |               |
|              | *        | /g -4205055 /ug=ns. 101220 /le11-404                             | 7                                     |              | 1 4           |
| 9702         | 0.020054 | EST(cDNA clone IMAGE:2092653 3')                                 | Al381556                              | *            | -             |
| 8792<br>8796 |          | ESTs, cDNA, 3' end /clone=UI-E-EJ0-aii                           |                                       | Hs.355029    | <del> </del>  |
| oùao         | 0.020126 |  | 100 13U1                              | 115.333029   |               |
|              |          | 1-19-0-UI /clone_end=3' /gb=BM681301                             | · .                                   |              |               |
| 1            |          | /gi=18991197 /ug=Hs.355029 /len=591                              |                                       |              | <b>[</b>      |
| 9000         | 0.014005 | EST/oDNA clara CSODE024VC07.5                                    | AL 525040                             |              | ND 000010     |
| 8808         | 0.014265 | EST(cDNA clone CS0DF021YG07 5                                    | AL535948                              |              | NP_006612     |
| 9000         | 0.007000 | prime)   | SEO ID No 00                          | <del> </del> | ļ <del></del> |
| 8836         |          | No significant match   | SEQ.ID.No.33                          | <del> </del> |               |
| 8856         | 0.01798  |  | · · · · · · · · · · · · · · · · · · · | <del></del>  |               |
| 8874         | 0.009931 | No significant match   | 0E0 ID N= 00                          |              | 1             |
|              | <u></u>  | (ORF:+1:256~491[237])  | SEQ.ID.No.26                          | <del></del>  |               |

| - |                                       |          |   |              | Unigene   | Protein   |
|---|---------------------------------------|----------|---|--------------|-----------|-----------|
| 8 | 1                                     |          |   | Accession    | Accession | Accession |
| { |                                       |          |   | No.          | No.       | No.       |
| ١ | 8889                                  | 0.020912 | No significant match  |              |           | *         |
|   |                                       | * ()     | (ORF:+2:50~238[189], +3:90~245[156])                            |              |           |           |
| Ŀ |                                       |          |   | SEQ.ID.No.65 | <u> </u>  | -         |
| 8 | 8906                                  | 0.042048 | apoptosis, caspase activation inhibitor                         | NM_020371    | Hs:63168  | NP_065104 |
| l | 1                                     |          | (AVEN), mRNA /cds=(53,1141)                                     |              |           |           |
|   |                                       |          | /gb=NM_020371 /gi=9966840                                       |              |           | -         |
| L |                                       |          | /ug=Hs.63168 /len=1549 /  |              | *         |           |
| 1 | 8939                                  | 0.034378 | hypothetical protein GL009 (GL009),                             | NM_032492    | Hs.24054  | NP_115881 |
|   | 7                                     |          | mRNA /cds=(78,629) /gb=NM_032492                                |              | -         | 0         |
|   |                                       |          | /gi=14210501 /ug=Hs.24054 /len=1097                             | 9. ·         | O,        |           |
| L |                                       |          |   |              |           |           |
| 1 | 8968                                  | 0.038054 | xc57a09.x1 NCI_CGAP_Eso2 cDNA                                   | AW084739     | Hs.445134 |           |
| ľ |                                       |          | clone IMAGE:2588344 3' similar to                               |              |           | ; :       |
| ļ |                                       |          | contains Alu repetitive element;, mRNA                          | 2 *          |           | *         |
|   | •                                     |          | sequence /clone=IMAGE:2588344                                   |              |           |           |
| ١ |                                       |          | /clone_end=3' /gb=AW084739                                      | *            |           |           |
| ŀ |                                       | 7        | /gi=6039891 /ug=Hs.445134 /len=509                              | * .          |           |           |
| Ŀ | 0000                                  | 0.040004 | FOT(A)/700070 LITE - DNA -1                                     | A) (700070   |           |           |
| Ľ | 8969                                  | 0.016031 | EST(AV730379 HTF cDNA clone                                     | AV730379     |           | . "       |
| H | 0070                                  | 0.005000 | HTFAAA05 5')  | AI793153     | Hs.58262  |           |
| ľ | 8970                                  | 0.005206 | on43h10.y5 NCI_CGAP_Co8 cDNA                                    | A1793153     | IDS.30202 | *         |
| l |                                       |          | clone IMAGE:1559491 5', mRNA                                    | *            |           |           |
|   | ļ                                     |          | sequence /clone=IMAGE:1559491                                   |              |           | . ×       |
|   |                                       |          | /clone_end=5' /gb=Al793153<br>/gi=5340869 /ug=Hs.58262 /len=521 | a()          |           |           |
| H | 8980                                  | 0.009765 | EST yq55e03.r1 Soares fetal liver                               | R96686       |           | 1         |
| ľ | 0300                                  | 0.000703 | spleen 1NFLS H sapiens cDNA clone                               | 1130000      |           |           |
|   |                                       |          | IMAGE:199708 5' similar to contains Alu                         | 9            |           |           |
|   |                                       |          | repetitive element;   |              |           |           |
| h | 9003                                  | 0.016031 | hypothetical protein DKFZp434B195                               | NM_031284    | Hs.10748  | NP 112574 |
| l | , , , , , , , , , , , , , , , , , , , | 0.010001 | (DKFZP434B195), mRNA  |              |           |           |
| ١ | `.                                    |          | /cds=(514,1290) /gb=NM_031284                                   |              |           |           |
| l |                                       |          | /gi=21361960 /ug=Hs.10748 /len=2262                             | y            |           | ~         |
|   |                                       | (        |   |              | 10        | • • •     |
| r | 9006                                  | 0.04638  | cDNA FLJ38383 fis, clone  | AK095702     | Hs.433517 |           |
| 1 | ٠.                                    |          | FEBRA2003726. /gb=AK095702                                      |              |           |           |
| l |                                       | 0 1      | /gi=21755022 /ug=Hs.433517 /len=3240                            |              | . *       |           |
| 1 |                                       |          |   | 1            |           | *         |
|   | 9017                                  | 0.006784 | UI-H-FH1-bfk-m-06-0-UI.s1                                       | BU618627     | Hs.192435 |           |
| l | . '                                   |          | NCI_CGAP_FH1 cDNA clone UI-H-FH1                                | *            |           |           |
|   |                                       | ; ;      | bfk-m-06-0-UI 3', mRNA sequence                                 | * * 1        |           |           |
|   |                                       | ]        | /clone=UI-H-FH1-bfk-m-06-0-UI                                   | :            | 1. :4     |           |
|   |                                       |          | /clone_end=3' /gb=BU618627                                      |              |           |           |
| ľ |                                       | = .      | /gi=23284842 /ug=Hs.192435 /len=1099                            |              |           |           |
| L |                                       | <u> </u> | <u>L</u>  | <u> </u>     | 4         |           |

| Spot  | p-value           | Description                           | Gene                                  | Unigene   | Protein.  |
|-------|-------------------|---------------------------------------|---------------------------------------|-----------|-----------|
|       | •                 |                                       | Accession                             | Accession | Accession |
|       |                   |                                       | No.                                   | No.       | No.       |
| 9041  | 0.005949          | 7l40g01.x1                            | BF112131                              | Hs.288083 |           |
|       |                   | Soares_NSF_F8_9W_OT_PA_P_S1           | , ·                                   |           | * =       |
|       |                   | cDNA clone IMAGE:3524136 3', mRNA     |                                       |           |           |
|       |                   | sequence /clone=IMAGE:3524136         | · · · · · · · · · · · · · · · · · · · |           |           |
| •     |                   | /clone_end=3' /gb=BF112131            |                                       |           |           |
|       | 0 1               | /gi=10941821 /ug=Hs.288083 /len=620   | * . "                                 | 0         |           |
| ·     | • 11              | 3                                     |                                       |           |           |
| 9042  | 0.04638           | UI-CF-FN0-aeu-b-13-0-UI.s1 UI-CF-     | BU689604                              | Hs.273830 |           |
| -     |                   | FN0 cDNA clone UI-CF-FN0-aeu-b-13-0   |                                       |           |           |
|       | - 1               | UI 3', mRNA sequence /clone=UI-CF-    | roug                                  |           |           |
|       |                   | FN0-aeu-b-13-0-UI /clone_end=3'       |                                       |           | 1         |
|       |                   | /gb=BU689604 /gi=23547505             | *                                     |           |           |
|       | 0                 | /ug=Hs.273830 /len=1066               | *                                     |           | - i-      |
| 9043  | 0.038054          | CocoaCrisp (LOC83690), mRNA           | NM 031461                             | Hs.182364 | NP 113649 |
|       |                   | /cds=(376,1878) /gb=NM_031461         | _                                     |           |           |
|       |                   | /gi=21314740 /ug=Hs.182364 /len=2962  |                                       |           |           |
|       | ^. ·              |                                       |                                       |           | V         |
| 9046  | 0.00772           | EST(xa08a12.x1                        | AW074833                              |           |           |
| ٠.    |                   | Soares_NFL_T_GBC_S1 cDNA clone        | 4.                                    |           |           |
| * *   |                   | IMAGE:2567710 3')                     |                                       |           |           |
| 9055  | 0.034378          | zi76d12.s1                            | AA702930                              | Hs.189679 |           |
|       |                   | Soares_fetal_liver_spleen_1NFLS_S1    | *                                     |           |           |
|       |                   | cDNA clone IMAGE:436727 3', mRNA      |                                       |           |           |
|       |                   | sequence /clone=IMAGE:436727          |                                       |           |           |
|       |                   | /clone_end=3' /gb=AA702930            |                                       | *.        |           |
| i ·   | *                 | /gi=2706043 /ug=Hs.189679 /len=478    |                                       |           |           |
| 9063  | 0.042048          | clone 23612 mRNA sequence             | U90902                                | Hs.82141  |           |
|       |                   | /gb=U90902 /gi=1913880 /ug=Hs.82141   |                                       |           |           |
|       |                   | /len=1548                             |                                       |           |           |
| 9078  | 0.031002          | cDNA FLJ13207 fis, clone              | AK023269                              | Hs.14355  |           |
|       |                   | NT2RP4000023. /gb=AK023269            |                                       |           |           |
|       | *                 | /gi=10435128 /ug=Hs.14355 /len=2633   |                                       | •         | ŀ         |
|       |                   | 2                                     | <u>.</u>                              | ·         |           |
| 9110  | 0.04638           | UI-E-CR1-adz-a-04-0-UI.r1 UI-E-CR1    | BM706524                              | Hs.421063 |           |
| -     | • •               | cDNA clone UI-E-CR1-adz-a-04-0-UI 5', |                                       | ,         |           |
|       |                   | mRNA sequence /clone=UI-E-CR1-adz-    |                                       |           |           |
|       | :                 | a-04-0-UI /clone_end=5' /gb=BM706524  |                                       |           |           |
| ,     | . / .             | /gi=19019782 /ug=Hs.421063 /len=1149  |                                       |           | *         |
|       |                   |                                       | V.                                    |           |           |
| 9112  | 0.04638           | UI-1-BC1-ajs-e-06-0-UI.s1             | BQ010796                              | Hs.120770 | 1.        |
|       |                   | NCI_CGAP_PI2 cDNA clone UI-1-BC1-     | *                                     | 1         | -         |
|       | ¥.                | ajs-e-06-0-UI 3', mRNA sequence       |                                       | ,         |           |
| 1 : . | ,                 | /clone=UI-1-BC1-ajs-e-06-0-UI         | * .                                   |           |           |
| ,     | 600               | /clone_end=3' /gb=BQ010796            | 1                                     |           |           |
|       | ] .               | /gi=19735697 /ug=Hs.120770 /len=904   |                                       |           |           |
|       |                   | :                                     | *                                     |           |           |
| 9114  |                   | EST(cDNA clone IMAGE:2504565-3')      | AW009489                              | 1         |           |
| 9129  | <u>  0.034378</u> | EST(cDNA.                             | AW896077                              | <u> </u>  |           |

| Snot   | p-value     | Description                             | Gen          | Unigene    | Prot in   |
|--------|-------------|---|--------------|------------|-----------|
| Spot   | p-value     | Description                             | Accession    | Accession  | Acc ssion |
|        |             |   | No.          | No.        | No.       |
| 9150   | 0.031002    | EST, cDNA, 3' end                       | BE503107     | Hs.281951  | NO.       |
| 3130   | 0.001002    | /clone=IMAGE:3214604 /clone_end=3       | D 2000 107   | 110.201001 | -         |
|        |             | /gb=BE503107 /gi=9705515                |              |            |           |
|        |             | /ug=Hs.281951 /len=368                  |              | *          |           |
| 9154   | 0.042048    | mRNA; cDNA DKFZp564B213 (from           | AL049240     | Hs.380268  |           |
| ÿ 10 1 | 0.012010    | clone DKFZp564B213) /gb=AL049240        |              |            |           |
|        |             | /gi=4499973 /ug=Hs.380268 /len=767      |              | 3. 11      |           |
| 9157   | 0.031002    | mRNA; cDNA DKFZp451O1818 (from          | AL832650     | Hs.12396   |           |
|        |             | clone DKFZp451O1818) /gb=AL832650       |              |            |           |
|        |             | /gi=21733226 /ug=Hs.12396 /len=4870     | -            | -30        |           |
| ,      |             | 1                                       | 0            |            | •         |
| 9243   | 0.04638     | AV700621 GKC cDNA clone                 | AV700621     | Hs.191445  | -1 0 -    |
|        |             | GKCDKF09 3', mRNA sequence              |              |            |           |
|        |             | /clone=GKCDKF09 /clone end=3'           | -4           |            |           |
|        |             | /gb=AV700621 /gi=10302592               |              | •          |           |
|        | , , , , , , | /ug=Hs.191445 /len=809                  |              | ٠.         |           |
| 9253   | 0.022485    | 603390782F1 NIH MGC 87 cDNA             | BI860842     | Hs.112472  |           |
|        |             | clone IMAGE:5399756 5', mRNA            |              | -          |           |
| •      |             | sequence /clone=IMAGE:5399756           | *            | , ,        |           |
|        | ,           | /clone_end=5' /gb=BI860842              | · ''         | ,          | . "       |
|        | ,           | /gi=16001577 /ug=Hs.112472 /len=917     | - 0          |            |           |
|        |             |   |              |            |           |
| 9319   | 0.011228    | No significant match                    |              |            |           |
| •      | •           | (ORF:+2:2~226[225]), low complexity     | SEQ.ID.No.17 |            | *         |
| 9387   | 0.038054    | RAB35, member RAS oncogene family       | NM_006861    | Hs.94308   | NP_006852 |
|        |             | (RAB35), mRNA /cds=(117,722)            |              |            |           |
|        | 000         | /gb=NM_006861 /gi=19923377              |              | 10         |           |
|        |             | /ug=Hs.94308 /len=2887                  | -            | ••         |           |
|        | 2.8         |   |              |            |           |
| 9424   | 0.014265    | MCM4 (MCM4) and DNA-PKcs                | U63630       |            |           |
|        |             | (PRKDC) genes, partial cds              |              |            |           |
| 9426   | 0.048742    | clone IMAGE:4130494, mRNA               | BC023543     | Hs.112844  |           |
| •      |             | /gb=BC023543 /gi=23270740               |              | 1 .        |           |
|        |             | /ug=Hs.112844 /len=4567                 |              |            |           |
| 9450   | 0.016031    | FK506 binding protein 3, 25kDa          | NM_002013    | Hs.379557  | NP_002004 |
|        | /           | (FKBP3), mRNA /cds=(412,1086)           |              |            | · ·       |
|        |             | /gb=NM_002013 /gi=17149845              |              |            |           |
|        |             | /ug=Hs.379557 /len=1420                 | . = =        | 7070       |           |
| 9453   | 0.006784    | mRNA for KIAA1705 protein, partial cds. | AB051492     | Hs.7076    | ,         |
| -      |             | /cds=(1714,3210) /gb=AB051492           |              | . (        | ·         |
| À 122  | 0.000.405   | /gi=12697954 /ug=Hs.7076 /len=3949      | NINA (450040 | 11-05044   | ND ZOFOOF |
| 9463   | 0.022485    | tropomyosin 3 (TPM3), mRNA              | NM_153649    | Hs.85844   | NP_705935 |
|        | <u>'</u>    | /cds=(52,798) /gb=NM_153649             | •            | ν.         | -2-       |
|        |             | /gi=24119202 /ug=Hs.85844 /len=2089     |              |            |           |
| 9488   | 0.004545    | UDP-N-acteylglucosamine                 | NM_003115    | Hs.21293   | NP 003106 |
| 5,55   | 5.55 15-75  | pyrophosphorylase 1 (UAP1), mRNA        |              |            |           |
|        | -           | /cds=(312,1829) /gb=NM_003115           | 1            |            |           |
|        |             | /gi=19923738 /ug=Hs.21293 /len=2332     |              |            | <u>.</u>  |
|        |             |   |              |            |           |

| Spot   | p-value   | Description                                | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No.                      |
|--------|-----------|--|--------------------------|-----------------------------|--|
| 9491   | 0.025072  | clone IMAGE:2960008, mRNA                  | BC017253                 | Hs.433345                   | 140.   |
| 0 10 1 | 0.020012  | /gb=BC017253 /gi=16878090                  |                          |                             |  |
|        |           | /ug=Hs.433345 /len=1405                    |                          |                             | 4.   |
| 9548   | 0.027906  | ubiquitin specific protease 1 (USP1),      | NM 003368                | Hs.35086                    | NP_003359  |
| 3370   | 0.027300  | mRNA /cds=(246,2603)                       | 14.41_000000             | 113.00000                   |  |
|        |           | /gb=NM 003368 /gi=21361109                 |                          |                             |  |
|        | · .       | /ug=Hs.35086 /len=3379                     |                          | *                           |  |
| 9553   | 0.04638   | protein phosphatase 1, catalytic subunit,  | NM 002709                | Hs.21537                    | NP_002700  |
| 9000   | 0.04030   | beta isoform (PPP1CB), mRNA                | 14101 <u>-</u> 002703    | 113.21337                   | 141 _002700                                      |
|        |           | /cds=(259,1242) /gb=NM_002709              |                          |                             |  |
|        |           | /gi=4506004 /ug=Hs.21537 /len=3590         | *                        | : (                         | G.   |
|        | : "       | 791-4500004 /ug-Hs.21557 /left-5590        |                          |                             |  |
| 9576   | 0.01700   | colleges type VV clabe 1 (COL1EA1)         | NM 001855                | Hs.83164                    | NP 001846  |
| 9576   | 0.01798   | collagen, type XV, alpha 1 (COL15A1),      | 14141_00 1635            | IU2:02:104                  | [NF_001640                                       |
|        |           | mRNA /cds=(166,4332)                       |                          |                             | . :  |
|        | * .       | /gb=NM_001855 /gi=18641349                 |                          |                             |  |
| 6500   | 0.000,000 | /ug=Hs.83164 /len=5222                     | 1100000                  | -(E                         |  |
| 9586   | 0.020126  | NRRL 4123 mitochondrial ribosomal          | U29233                   | . ***                       |  |
|        | '         | RNA, small subunit, mitochondrial gene,    |                          | 2                           |  |
|        |           | partial sequence                           |                          | 11. 12.7.2.2.2              | *  |
| 9594   | 0.01798   | serine (or cysteine) proteinase inhibitor, | NM_006216                | Hs.21858                    | NP_006207  |
|        |           | clade E (nexin, plasminogen activator      | _                        | 1                           | *  |
|        |           | inhibitor type 1), member 2                | ·                        | \ \ \                       |  |
|        |           | (SERPINE2), mRNA /cds=(210,1406)           | +                        |                             | - 1  |
|        | · .       | /gb=NM_006216 /gi=24307906                 |                          | 10                          | 0  |
|        |           | /ug=Hs.21858 /len=2129                     |                          | 1.                          |  |
| 9610   | 0.012669  | nuclear DNA-binding protein (C1D),         | NM_006333                | Hs.15164                    | NP_775269  |
| ٠.     | ŀ         | transcript variant 1, mRNA                 |                          |                             |  |
|        |           | /cds=(64,489) /gb=NM_006333                |                          |                             |  |
|        |           | /gi=27894371 /ug=Hs.15164 /len=1200        |                          |                             | •  |
|        |           | *  |                          | 3                           | <u>.</u>   |
| 9612   | 0.04638   | ubiquitin-conjugating enzyme E2G 1         | NM_003342                | Hs.78563                    | NP_003333  |
|        |           | (UBC7 C. elegans) (UBE2G1), mRNA           |                          |                             |  |
|        |           | /cds=(167,679) /gb=NM_003342               |                          |                             |  |
|        |           | /gi=21314607 /ug=Hs.78563 /len=2430        |                          |                             |  |
|        |           |  |                          |                             |  |
| 9629   | 0.04638   | vaccinia related kinase 1 (VRK1),          | NM 003384                | Hs.422789                   | NP 003375  |
| 9      |           | mRNA /cds=(76,1266) /gb=NM_003384          |                          |                             | -  |
|        |           | /gi=4507902 /ug=Hs.422789 /len=1662        |                          |                             |  |
| -      |           | /g. 1501/502/4g 115. 122/50 11611 1162     | ٠.                       | ·                           |  |
| 9669   | 0.048742  | hypothetical protein(FLJ20378)             | BAA91131                 |                             |  |
| 9693   |           | hypothetical protein LOC93380              | NM 173470                | Hs.110702                   | NP 775741  |
| 5555   | 0.010031  | (LOC93380), mRNA /cds=(301,696)            | 170470                   | 1.13.710702                 | -,, -,, 0,, 3,                                   |
|        | 1         | /gb=NM_173470 /gi=27735036                 | 1                        |                             | (  |
|        |           |  |                          |                             | -  |
| ÚĠOO   | 0.025072  | /ug=Hs.110702 /len=3704                    | V13E4000                 |                             | <del>                                     </del> |
| 9699   | 0.025072  | EST(zeh1487 seq.F Zebrafish                | AI354098                 | 1                           |  |
|        | 1         | Embryonic Heart cDNA Library cDNA 5')      |                          |                             |  |
|        |           |  | <u> </u>                 |                             | <u> </u>   |

|          | p-value   | Description                                 | Gene        | Unigene - | Protein   |
|----------|-----------|---|-------------|-----------|-----------|
|          | • • • •   |   | Accession   | Accession | Accession |
|          | *         |   | No.         | No.       | No.       |
| 9701     | 0.034378  | DKFZP586G1517 protein                       | NM_015440   | Hs:44155  | NP_056255 |
| 1-       |           | (DKFZP586G1517), mRNA                       |             |           |           |
| -3       |           | /cds=(127,2328) /gb=NM_015440               | <u>.</u>    |           | e e       |
|          |           | /gi=24308062 /ug=Hs.44155 /len=2749         | •           |           | •         |
|          | •         |   |             |           |           |
| 9716     | 0.00772   | EST(EST23220 Adipose tissue, white II       | AA320820    | •         |           |
|          |           | 5' contains Alu repeat)                     |             |           |           |
| 9724     | 0.027906  | hypothetical protein BC012010               | NM_138421   | Hs.183733 | NP_612430 |
| ,        |           | (LOC113174), mRNA /cds=(30,1457)            |             |           |           |
|          |           | /gb=NM_138421 /gi=19923942                  |             |           |           |
|          |           | /ug=Hs.183733 /len=1527                     |             |           |           |
| 9740     |           | periphilin 1 (PPHLN1), mRNA                 | NM_016488   | Hs.281428 | NP_057572 |
| · .      |           | /cds=(94,1197) /gb=NM_016488                | J. J. G. W. |           |           |
|          |           | /gi=21361573 /ug=Hs.281428 /len=1643        |             | ٠.        |           |
|          |           |   |             |           |           |
| 9747     | 0.022485  | EST(ya49e04.r2 clone 53081 5')              | R16260      |           |           |
| 9761     |           | hypothetical protein FLJ22557               | NM 024713   | Hs.106101 | NP 078989 |
|          |           | (FLJ22557), mRNA /cds=(87,1001)             |             |           |           |
| · .      |           | /gb=NM 024713 /gi=13376012                  | - 0         |           |           |
|          | -         | /ug=Hs.106101 /len=2676                     | °           |           |           |
| 9804     | 0.038054  | RNA polymerase III subunit RPC2             | NM 018082   | Hs.197642 | NP 060552 |
|          |           | (RPC2), mRNA /cds=(54,3455)                 |             |           |           |
|          | 8         | /gb=NM_018082 /gi=24475856                  |             |           | . *       |
|          |           | /ug=Hs.197642 /len=4102                     |             | *         |           |
| 9805     | 0.025072  | EST (qh12h02.x1                             | Al240516    |           |           |
|          |           | Soares_NFL_T_GBC_S1                         |             | -         |           |
|          |           | IMAGE:1844499 3')                           |             |           | *         |
| 9819     | 0.025072  | EST (yq42a05.r1 Soares fetal liver          | R94397      | 9 9 9     |           |
| 4        | , ,       | spleen                                      |             | *         |           |
| 9840     | 0.022485  | hypothetical protein FLJ20244               | NM 017722   | Hs.158947 | NP 060192 |
|          | -         | (FLJ20244), mRNA /cds=(89,2068)             | =           |           |           |
|          |           | /gb=NM 017722 /gi=8923218                   |             |           |           |
| 1        |           | /ug=Hs.158947 /len=2137                     |             |           |           |
| 9850     | 0.020126  | cDNA FLJ11946 fis, clone                    | AK022008    | Hs.323231 |           |
|          |           | HEMBB1000709. /gb=AK022008                  | *           |           |           |
|          |           | /gi=10433321 /ug=Hs.323231 /len=3241        | *           |           |           |
| <u>.</u> |           | - J. 10 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |             |           |           |
| 9875     | 0.004545  | heat shock 27kDa protein 2 (HSPB2),         | NM 001541   | Hs.78846  | NP_001532 |
| 1 ****   |           | mRNA /cds=(70,618) /gb=NM_001541            | -           |           |           |
|          |           | /gi=4504518 /ug=Hs.78846 /len=874           |             | 1         |           |
| 9903     | 0.00772   | hypothetical protein MGC40157               | NM 152350   | Hs.295362 | NP_689563 |
|          |           | (MGC40157), mRNA /cds=(106,498)             |             |           |           |
|          |           | /gb=NM_152350 /gi=22748758                  |             |           |           |
|          |           | /ug=Hs.295362 /len=1250                     | No. 10      |           |           |
| 9904     | 0.014265  | O-linked mannose beta1,2-N-                 | NM 017739   | Hs.183860 | NP_060209 |
| 3394     | 0.51-1200 | acetylglucosaminyltransferase               |             |           | -555256   |
|          |           | (FLJ20277), mRNA /cds=(142,2124)            |             |           | -0.0      |
| 1        |           | /gb=NM_017739 /gi=8923252                   |             |           |           |
|          | 1 .       |   |             |           |           |

| Spot  | p-value  | Description                              | Gene      | Unig ne   | Protein   |
|-------|----------|--|-----------|-----------|-----------|
| -     |          |  | Accession | Accession | Accession |
|       |          | * *                                      | No.       | No.       | No.       |
| 9919  | 0.025072 | B-cell receptor-associated protein       | NM_018844 | Hs.27135  | NP_061332 |
|       |          | BAP29 (BAP29), mRNA /cds=(47,775)        | *         |           | - ×.      |
|       |          | /gb=NM_018844 /gi=9994198                |           | 00.       |           |
| 3     |          | /ug=Hs.27135 /len=1085                   |           |           | , , , , , |
| 9936  | 0.038054 | x 009 protein (MDS009), mRNA             | NM 020234 | Hs.64641  | NP_064619 |
|       |          | /cds=(127,534) /gb=NM_020234             |           |           |           |
|       |          | /gi=9910425 /ug=Hs.64641 /len=1133       |           |           |           |
| 9946  | 0.025072 | mitogen-activated protein kinase kinase  | NM_002755 | Hs.3446   | NP 002746 |
|       |          | 1 (MAP2K1), mRNA /cds=(73,1254)          |           |           | ′         |
|       |          | /gb=NM_002755 /gi=14589898               |           | 2         | · ·       |
|       |          | /ug=Hs.3446 /len=2222                    |           | 0         |           |
| 10015 | 0.034378 | mRNA for KIAA1228 protein, partial cds.  | AB033054  | Hs.306867 |           |
|       |          | /cds=(1,2534) /gb=AB033054               | -         |           |           |
|       | (n)      | /gi=20521803 /ug=Hs.306867 /len=5742     | <b>,</b>  |           |           |
|       |          | *  |           |           |           |
| 10016 | 0.031002 | gycosyltransferase (LOC83468), mRNA      | NM_031302 | Hs.159993 | NP_112592 |
|       |          | /cds=(408,1457) /gb=NM_031302            |           | *         | -         |
|       |          | /gi=21314737 /ug=Hs.159993 /len=1908     |           |           | 1         |
| ×     |          |  |           |           |           |
| 10019 | 0.038054 | serologically defined colon cancer       | NM_005786 | Hs.284217 | NP_005777 |
|       |          | antigen 33 (SDCCAG33), mRNA              | . ,       | 9         |           |
|       | -        | /cds=(295,2358) /gb=NM_005786            |           |           |           |
|       |          | /gi=15451922 /ug=Hs 284217 /len=2858     |           |           |           |
|       |          |  |           |           |           |
| 10025 | 0.002982 | SPARC related modular calcium binding    | NM_022138 | Hs.22209  | NP_071421 |
|       |          | 2 (SMOC2), mRNA /cds=(21,1394)           |           |           | , .       |
|       |          | /gb=NM_022138 /gi=24308276               |           | •         |           |
|       |          | /ug=Hs.22209 /len=2947                   |           |           | . *       |
|       | -        |  |           |           |           |
| 10060 | 0.014265 | roundabout, axon guidance receptor, 1    | NM_133631 | Hs.301198 | NP_598334 |
|       |          | (Drosophila) (ROBO1), transcript variant | '         |           |           |
| . *   | +        | 2, mRNA /cds=(964,5802)                  | *         |           |           |
| ٠.    |          | /gb=NM_133631 /gi=19743805               |           |           |           |
| 1     |          | /ug=Hs.301198 /len=7475                  |           |           | • • •     |
| 10084 | 0.012669 | hypothetical protein MGC11034            | NM_031453 | Hs.103378 | NP_113641 |
| ,     |          | (MGC11034), mRNA /cds=(246,641)          |           |           |           |
|       |          | /gb=NM_031453 /gi=13899290               |           | *         |           |
|       |          | /ug=Hs.103378 /len=3301                  |           |           |           |
| 10102 | 0.04638  | hypothetical protein FLJ23445            | NM_025075 | Hs.288151 | NP_079351 |
| 1     |          | (FLJ23445), mRNA /cds=(44,658)           |           |           |           |
| - 8   |          | /gb=NM_025075 /gi=13376622               |           |           |           |
|       |          | /ug=Hs.288151 /len=963                   |           |           |           |
| 10130 | 0.014741 | UI-H-EU1-bad-c-14-0-UI.s1                | BQ447.141 | Hs.445111 |           |
|       |          | NCI_CGAP_Ct1 cDNA clone UI-H-EU1-        |           |           |           |
|       |          | bad-c-14-0-UI 3', mRNA sequence          |           | *         |           |
|       |          | /clone=UI-H-EU1-bad-c-14-0-UI            | · ·       |           |           |
|       |          | /clone_end=3' /gb=BQ447141               |           | 1 .       | -         |
|       |          | /gi=21250253 /ug=Hs.445111 /len=1032     | •         |           |           |
|       |          | . `                                      | <u> </u>  |           | -         |

| Spot    | p-value   | Description                             | Gene          | Unigene     | Protein    |
|---------|-----------|---|---------------|-------------|------------|
|         |           |   | Accession     | Accession   | Accession  |
|         |           |   | No.           | No          | No.        |
| 10167   | 0.034378  | EST(zs29d10.r1 NCI_CGAP_GCB1            | AA255979      |             | NP_004828  |
|         |           | IMAGE:686611 5') short match            |               |             |            |
| 10178   | 0.011228  | EST382135 MAGE resequences,             | AW970055      | Hs.324815   |            |
|         |           | MAGK cDNA, mRNA sequence                |               |             |            |
| -       |           | /gb=AW970055 /gi=8159900                |               |             |            |
|         |           | /ug=Hs:324815 /len=764                  |               |             |            |
| 10191   | 0.031002  | EST(HSPD24973 HM3 clone                 | F32327        |             |            |
|         |           | s3000036E04)                            |               |             |            |
| 10215   | 0.012669  | UI-E-EJ0-aik-i-20-0-UI.r1 UI-E-EJ0      | BM727413      | Hs.112619   |            |
|         |           | cDNA clone UI-E-EJ0-aik-i-20-0-UI 5',   |               | . *         |            |
|         |           | mRNA sequence /clone=UI-E-EJ0-aik-i-    |               |             |            |
|         |           | 20-0-UI /clone end=5' /gb=BM727413      |               |             |            |
|         | . 8       | /gi=19048746 /ug=Hs.112619 /len=1667    |               |             |            |
|         | * .       | 3                                       | 20. 3         |             |            |
| 10228   | 0.00772   | hypothetical protein FLJ10342           | NM_018064     | Hs.101514   | NP 060534  |
|         |           | (FLJ10342), mRNA /cds=(534,1145)        |               |             |            |
|         | ,         | /gb=NM_018064 /gi=14149717              |               |             | -          |
|         |           | /ug=Hs.101514 /len=1506                 | • 40          | * 1         | -          |
| 10290   | 0.031002  | ox21f03.x1                              | AI038379      | Hs.131865   |            |
| 10200   | 0.001002  | Soares_fetal_liver_spleen_1NFLS_S1      | ,             |             |            |
| - 1     |           | cDNA clone IMAGE:1656989 3', mRNA       | * -           | -           |            |
|         | . ,       | sequence /clone=IMAGE:1656989           | 8             |             |            |
|         |           | /clone_end=3' /gb=Al038379              |               |             |            |
|         |           | /gi=3277573 /ug=Hs.131865 /len=516      | ·             |             | y.         |
| - '     |           | 19 -521151514g=113.15160511cH=516       |               |             |            |
| 10312   | 0.026138  | TATA box binding protein (TBP)-         | NM_005681     | Hs.153088   | NP 647603  |
| 10012   | 0.020100  | associated factor, RNA polymerase I, A, |               |             |            |
|         |           | 48kDa (TAF1A), transcript variant 1,    | 11            |             | - 0        |
|         |           | mRNA /cds=(190,1542)                    |               |             |            |
|         | . 1       | /gb=NM 005681 /gi=21536363              |               | *           |            |
|         |           | /ug=Hs.153088 /len=1893                 |               |             |            |
| 10316   | 0 022485  | clone IMAGE:5295896, mRNA               | BC043240      | Hs.104413   |            |
| 1,00,10 | 0.022.100 | /gb=BC043240 /gi=27695834               | 50010210      | 1,10,101110 |            |
|         |           | /ug=Hs.104413 /len=2136                 | N.            |             |            |
| 10323   | 0.022485  | mRNA; cDNA DKFZp434K1115 (from          | AL136764      | Hs.42676    |            |
| 10020   | 0.022400  | clone DKFZp434K1115); complete cds      | / 100/101     | 110.12010   | :          |
|         |           | /cds=(97,2877) /gb=AL136764             | . (2)         | .00         |            |
| 0       | • **      | /gi=12053044 /ug=Hs.42676 /len=4868     |               |             | ľ          |
|         | ***       | 12000044 /ug+113.42070 /ici1=4000       |               |             |            |
| 10350   | 0.038054  | hypothetical protein FLJ90013           | NM_153365     | Hs.25119    | NP_699196  |
| 1,000   | 0.000004  | (FLJ90013), mRNA /cds=(15,1703)         |               | 110.20110   |            |
|         |           | /gb=NM_153365 /gi=23503310              |               |             | W          |
|         | * :       | /ug=Hs.25119 /len=3382                  | *             |             |            |
| 10364   | 0.027906  | EST (QV3-NN1023-130500-178-g10          | AW902437      | 1           | -          |
| 10004   | 0.027300  | NN1023)                                 | /***********  | , 0         |            |
| 10380   | 0.016031  | Hypothetical protein(cDNA: FLJ22479     | AK026132      |             | NP_079176  |
| 10000   | 0.010031  | fis, clone HRC10831)                    | 1, 11,020 102 |             | J 9, 31, 0 |
| 10401   | 0.038054  | EST (Clontech human aorta polyA         | C14262        |             |            |
| 10401   | 0.000004  | mRNA (#6572) cDNA clone GEN-            | 1313202       |             |            |
| *       |           | 041E02 5')                              |               |             | *-         |
|         | 1000      | IOTILUZ J)                              | <u> </u>      | 1           | -          |

| Spot     | p-value    | Description  | Gene                                  | Unigene         | Prot in     |
|----------|------------|--|---------------------------------------|-----------------|-------------|
| Spot     | p-value    | Description  |                                       |                 |             |
|          |            |  | Accession                             | Accession       | Acc ssion   |
| 10.100   | 6 6 10 0 6 |  | No.                                   | No.             | No.         |
| 10423    | 0.04638    | muscleblind-like protein MBLL39  | NM_144778                             | Hs.283609       | NP_659002   |
| -8       | *          | (MBLL39), transcript variant 1, mRNA   |                                       |                 |             |
|          |            | /cds=(782,1885) /gb=NM_144778  |                                       |                 |             |
|          |            | /gi=21464124 /ug=Hs.283609 /len=4665   |                                       | •               |             |
| 7        |            |  | : '                                   |                 |             |
| 10429    | 0.020126   | binder of Rho GTPase 3-like  | NM 145057                             | Hs.352987       | NP 659494   |
|          |            | (MGC21945), mRNA /cds=(340,786)  |                                       | ***             |             |
|          |            | /gb=NM 145057 /gi=21450817   | · · · · · · · · · · · · · · · · · · · | *               |             |
|          |            | /ug=Hs.352987 /len=929   |                                       |                 |             |
| 10437    | 0.039054   | UI-H-EI1-aze-c-02-0-UI.s1  | BQ003590                              | Hs.29698        |             |
| 10437    | 0.030034   | -  | DQ003390                              | 115.29090       | 1           |
|          |            | NCI_CGAP_EI1 cDNA clone  |                                       |                 |             |
|          |            | IMAGE:5847481 3', mRNA sequence  |                                       |                 |             |
|          |            | /clone=IMAGE:5847481 /clone_end=3'   | · .                                   |                 | 0.1         |
| , T.     |            | /gb=BQ003590 /gi=19728490  |                                       |                 | -           |
|          |            | /ug=Hs.29698 /len=1051   | 1                                     |                 |             |
| 10439    | 0.027906   | clone IMAGE:4157625, mRNA  | BC033767                              | Hs.271450       |             |
| · .      |            | /gb=BC033767 /gi=22832873  |                                       |                 |             |
|          |            | /ug=Hs.271450 /len=1515  | -                                     | ·               |             |
| 10454    | 0.038054   | EST(tm27f02.x1   | AI479365                              |                 |             |
| 10-10-1  | 0.00000    | Soares NFL T GBC S1 cDNA clone   | , 1, 9, 9, 9                          |                 |             |
|          |            | IMAGE:2157819 3')  |                                       |                 |             |
| 40.475   | 0.005070   | The state of the s | NIM 005004                            | 11- 444004      | ND 005075   |
| 10475    | 0.025072   | solute carrier family 25 (mitochondrial  | NM_005984                             | Hs.111024       | NP_005975   |
|          |            | carrier, citrate transporter), member 1  |                                       |                 |             |
|          | *          | (SLC25A1), mRNA /cds=(100,1035)  |                                       | - 32            |             |
|          |            | /gb=NM_005984 /gi=21389314   | * .                                   |                 |             |
|          |            | /ug=Hs.111024 /len=1619  |                                       | 1               | <u> </u>    |
| 10496    | 0.027906   | zh69e06.s1   | W89192 '                              | Hs.194238       | 1           |
|          |            | Soares_fetal_liver_spleen_1NFLS_S1   |                                       |                 |             |
| <u>.</u> | •          | cDNA clone IMAGE:417346 3', mRNA   | . 6                                   | •               |             |
|          |            | sequence /clone=IMAGE:417346   |                                       |                 |             |
|          | -)-        | /clone end=3' /gb=W89192   |                                       | 13.             | · _ ·       |
|          |            | /gi=1404504 /ug=Hs.194238 /len=471   |                                       |                 |             |
| 10501    | 0.039064   | UI-E-DW0-agg-d-24-0-UI-r1 UI-E-DW0   | BM706154                              | Hs.433446       | <del></del> |
| 10301    | 0.036034   |  | DIVI700134                            | 115.455440      |             |
|          |            | cDNA clone UI-E-DW0-agg-d-24-0-UI  |                                       |                 |             |
|          |            | 5', mRNA sequence /clone=UI-E-DW0-   | * *                                   | 0 1 1           |             |
| 9        | 9          | agg-d-24-0-UI /clone_end=5'  |                                       | · .             |             |
|          |            | /gb=BM706154 /gi=19019412  |                                       |                 |             |
|          |            | /ug=Hs.433446 /len=1003  |                                       |                 |             |
| 10502    | 0.006784   | EST(cDNA clone IMAGE:4944078 5')   | BG913252                              |                 | NP_775882   |
| 10503    | 0.016031   | thymosin, beta 4, X chromosome   | NM_021109                             | Hs.75968        | NP_066932   |
| ,        |            | (TMSB4X), mRNA /cds=(78,212)   |                                       |                 | •           |
|          |            | /gb=NM_021109 /gi=11056060   |                                       | . *             |             |
|          |            | /ug=Hs.75968 /len=556  |                                       | * * *           |             |
| 10506    | 0.005206   | K-EST0187941 L14ChoiCK0 cDNA   | CB135678                              | Hs.435110       |             |
| 10000    | 0.000200   | clone L14ChoiCK0-30-C05 5', mRNA   | 25100070                              | 1. 10. 100 1 10 | 1           |
|          |            | · ·  |                                       |                 |             |
|          |            | sequence /clone=L14ChoiCK0-30-C05  |                                       |                 |             |
| 1        |            | /clone_end=5' /gb=CB135678   |                                       |                 | · ·         |
|          |            | /gi=28102621 /ug=Hs.435110 /len=419  | - (1)                                 | '               |             |
|          |            |  |                                       |                 |             |
| 10512    | L0 016031  | POLY A   | - (A.)                                |                 |             |

| Spot  | p-value  | Description  | G ne                                  | Unigene                | Protein   |
|-------|----------|--|---------------------------------------|------------------------|-----------|
|       |          |  | Accession                             | Accession              | Accession |
| 10531 | 0.04638  | mRNA; cDNA DKFZp686J172 (from  | <b>No.</b><br>AL832206                | <b>No.</b><br>Hs.56896 | No.       |
| 10051 | 0.04030  | clone DKFZp686J172) /gb=AL832206   | AL002200                              | 113.50030              |           |
|       |          | /gi=21732751 /ug=Hs.56896 /len=6055  |                                       |                        |           |
|       |          | /gi2   1.02   0 1.7 ag   |                                       |                        |           |
| 10539 | 0.038054 | ribosomal protein, large, P1 (RPLP1),  | NM_001003                             | Hs.424299              | NP_000994 |
|       |          | mRNA /cds=(130,474) /gb=NM_001003  | * .                                   | *                      |           |
|       | - 10     | /gi=16905511 /ug=Hs.424299 /len=512  |                                       |                        | 1):       |
| 10540 | 0.004545 | BX116063 NCI CGAP Brn23 cDNA   | BX116063                              | Hs.127872              |           |
|       |          | clone IMAGp998O244959, mRNA  |                                       |                        |           |
| *     | . *      | sequence   | -5                                    |                        |           |
| ·     |          | /clone=IMAGp998O244959_;_IMAGE:2   |                                       |                        | . *       |
|       |          | 016239 /gb=BX116063 /gi=27839769   | <b>.</b> '                            |                        |           |
|       |          | /ug=Hs.127872 /len=537   |                                       |                        | -         |
| 10546 | 0.031002 | cDNA FLJ13585 fis, clone   | AK023647                              | Hs.43047               |           |
|       |          | PLACE1009150. /gb=AK023647   | · .                                   |                        | " e e '   |
|       |          | /gi=10435632 /ug=Hs 43047 /len=3430  |                                       | » · · ·                |           |
| 10561 | 0.014265 | wn03h10.x1 NCI_CGAP_Ut2 cDNA   | AI924266                              | Hs.370113              |           |
|       |          | clone IMAGE:2444419 3', mRNA   |                                       |                        | -         |
|       |          | sequence /clone=IMAGE:2444419  |                                       |                        | * •       |
|       |          | /clone_end=3' /gb=Al924266   |                                       |                        |           |
| 10500 | 0.00705  | /gi=5660230 /ug=Hs.370113 /len=514   | , , , , , , , , , , , , , , , , , , , | 11- 400000             | ND 004000 |
| 10566 | 0.008/65 | actin, beta (ACTB), mRNA   | NM_001101                             | Hs.426930              | NP_001092 |
|       |          | /cds=(74,1201) /gb=NM_001101<br>/gi=5016088 /ug=Hs.426930 /len=1793  |                                       |                        | ×         |
|       |          | /gi=3010088/dg=115.420930/left=1793  |                                       | V.                     |           |
| 10570 | 0.031002 | thymosin, beta 4, X chromosome   | NM_021109                             | Hs.75968               | NP_066932 |
|       | ,        | (TMSB4X), mRNA /cds=(78,212)   | *                                     |                        |           |
|       | 1        | /gb=NM_021109 /gi=11056060   | ,                                     |                        |           |
|       |          | /ug=Hs.75968 /len=556  |                                       | 05-054                 | <u> </u>  |
| 10578 | 0.025072 | xj80g04.x1 Soares_NFL_T_GBC_S1   | AW172661                              | Hs.257251              | 74 y.     |
| 1     |          | cDNA clone IMAGE:2663574 3', mRNA sequence /clone=IMAGE:2663574  |                                       |                        |           |
|       | 0        | /clone_end=3' /gb=AW172661   |                                       |                        |           |
| 1,    |          | /gi=6438609 /ug=Hs.257251 /len=451   | ·                                     |                        |           |
| K     |          | Section   Sect |                                       |                        |           |
| 10610 | 0.025072 | cDNA, 3' end /clone=IMAGE:3476408  | BF058813                              | Hs.319312              | NP_001454 |
|       |          | /clone_end=3' /gb=BF058813   | *                                     |                        | . –       |
| -     | ļ        | /gi=10812709 /ug=Hs.319312 /len=382  |                                       | ·                      |           |
| 10070 | 0.040040 | mitachendrial ribasemal protein \$400  | NIM 016067                            | Hc 2205                | ND 057151 |
| 10673 | 0.042048 | mitochondrial ribosomal protein S18C (MRPS18C), nuclear gene encoding  | NM_016067                             | Hs.3385                | NP_057151 |
|       | _        | mitochondrial protein, mRNA  |                                       |                        |           |
|       |          | /cds=(60,488) /gb=NM_016067  | I :                                   |                        |           |
|       | -, -     | /gi=7705629 /ug=Hs.3385 /len=1014  | -                                     |                        | . *       |
| 10683 | 0.014265 | EST388886 MAGE resequences,  | AW976777                              | Hs.223578              |           |
| 1     |          | MAGO cDNA, mRNA sequence   |                                       |                        | - 30      |
|       |          | /gb=AW976777 /gi=8168011   |                                       | . *                    |           |
|       |          | /ug=Hs.223578 /len=519   |                                       |                        |           |

| Spot       | p-value  | Description                            | Gene                                    | Unigene   | Protein                               |
|------------|----------|--|---|-----------|---------------------------------------|
| , 5, 6, 5, | P. Value |  | Accession                               | Accession | Accession                             |
|            |          | *                                      | No.                                     | No.       | No.                                   |
| 10684      | 0.034378 | EST(cDNA clone IMAGE:4090855 3')       | BF447403                                | 140.      | NP 002806                             |
| 10710      |          | No significant match                   | SEQ.ID.No.46                            |           | , 002000                              |
| 10717      |          | No significant match                   | SEQ.ID.No.83                            |           |                                       |
| 10773      |          | EST (RC3-CT0254-300800-022-g07         | BE927223                                |           |                                       |
| ٠          |          | CT0254)                                |   |           |                                       |
| 10779      | 0.034378 | EST (ADB cDNA clone ADBAKA02 5')       | AV704531                                |           | · · · · · · · · · · · · · · · · · · · |
| 10790      |          | similar to zinc finger protein 22 (KOX | NM 145291                               | Hs.94013  | NP_660334                             |
|            |          | 15) (LOC166793), mRNA                  | · · · · · · · · · · · · · · · · · · ·   |           |                                       |
|            |          | /cds=(1401,2147) /gb=NM_145291         |   |           |                                       |
|            |          | /gi=21686968 /ug=Hs.94013 /len=2634    |   |           | 4                                     |
| !          | 200      | 3                                      |   |           | * .                                   |
| 10805      | 0.031002 | EST(ak84d11.s1 Barstead spleen         | AA845289                                |           |                                       |
|            |          | HPLRB2 cDNA clone IMAGE:1414581        |   |           | *                                     |
|            |          | 3' similar to contains MER10.t3 MER10  | * * a                                   |           |                                       |
| · .        | 8        | repetitive element)                    |   |           |                                       |
| 10806      | 0.016031 | EST (qj86f09.x1 NCI CGAP Kid3          | AI244320                                |           |                                       |
|            |          | cDNA clone IMAGE:1866377 3' similar    | ,                                       | · ·       | 3                                     |
| ļ .        |          | to contains MER30.t3 MER30 repetitive  |   |           |                                       |
|            |          | element)                               |   |           |                                       |
| 10807      | 0.042048 | methyltransferase like 3 (METTL3),     | NM 019852                               | Hs.268149 | NP 062826                             |
|            |          | mRNA /cds=(87,1829) /gb=NM_019852      | - · · · · · · · · · · · · · · · · · · · |           |                                       |
| ·          |          | /gi=21361826 /ug=Hs.268149 /len=1959   | · ·                                     |           |                                       |
|            |          | <b>3</b>                               |   |           |                                       |
| 10811      | 0.025072 | EST from clone 208499, full insert     | AL355688                                | Hs.6655   |                                       |
| 100        |          | /gb=AL355688 /gi=7799136               |   |           | •                                     |
|            |          | /ug=Hs.6655 /len=1831                  |   |           | ·                                     |
| 10839      | 0.00772  | calcium binding protein Cab45          | NM 016547                               | Hs.42806  | NP 057631                             |
|            |          | precursor (Cab45), mRNA                | <del>-</del>                            |           |                                       |
|            |          | /cds=(294,1340) /gb=NM_016547          | * |           |                                       |
|            |          | /gi=7706572 /ug=Hs.42806 /len=2092     |   |           |                                       |
| 10841      | 0.01798  | zinc finger protein 306 (ZNF306), mRNA | NM 024493                               | Hs.66774  | NP 077819                             |
|            | 2        | /cds=(149,1765) /gb=NM_024493          |   |           |                                       |
| ł          |          | /gi=24308296 /ug=Hs.66774 /len=2242    | '                                       |           |                                       |
|            | * *      |  |   |           |                                       |
| 10867      | 0.022485 | 7k59b12.x1 NCI_CGAP_GC6 cDNA           | BF059412                                | Hs.319320 | -                                     |
|            |          | clone IMAGE:3479758 3', mRNA           | *                                       |           |                                       |
|            |          | sequence /clone=IMAGE:3479758          |   |           |                                       |
| ]          | •.       | /clone_end=3' /gb=BF059412             |   |           |                                       |
|            |          | /gi=10813230 /ug=Hs.319320 /len=453    | *                                       |           | -                                     |
|            |          |  | ,                                       |           |                                       |
| 10894      | 0.042048 | C1q and tumor necrosis factor related  | NM_030945                               | Hs.171929 | NP_852100                             |
| 16         |          | protein 3 (C1QTNF3), mRNA              | ,                                       |           | <del>-</del> .                        |
|            | · ·      | /cds=(84,824) /gb=NM_030945            | *                                       | ,         | 1                                     |
| 1          |          | /gi=13569918 /ug=Hs.171929 /len=1710   |   |           |                                       |
|            |          |  |   |           |                                       |
| 10910      | 0.042048 | EST (tg92b06.x1 NCI_CGAP_CLL1          | Al401289                                |           | -                                     |
| J ·        |          | cDNA clone IMAGE:2116211 3' similar    |   |           |                                       |
|            |          | to contains Alu repetitive element;)   |   |           |                                       |

| Spot   | p-value   | Description                               | Gene<br>Accession | Unigene<br>Accession    | Protein<br>Accession |
|--------|-----------|---|-------------------|-------------------------|----------------------|
| 10017  | 0.000400  | activated DNA activaces II                | No.               | <b>No.</b><br>Hs.349506 | No.                  |
| 10917  | 0.022485  | activated RNA polymerase II               | NM_006713         | HS.349506               | NP_006704            |
|        |           | transcription cofactor 4 (PC4), mRNA      | * *               |                         |                      |
|        | **        | /cds=(57,440) /gb=NM_006713               | * ***             |                         |                      |
|        |           | /gi=19923783 /ug=Hs.349506 /len=1336      |                   |                         | *                    |
| 10930  | 0.031002  | Similar to RIKEN cDNA 2810004N23          | BC036800          | Hs.390881               |                      |
|        | *         | gene, clone MGC:46269                     | * .               |                         | ·                    |
|        |           | IMAGE:5589128, mRNA, complete cds         |                   | •                       |                      |
|        |           | /cds=(57,905) /gb=BC036800                |                   |                         |                      |
| ٠      | ,         | /gi=22477333 /ug=Hs.390881 /len=1468      |                   |                         |                      |
|        |           |   |                   |                         |                      |
| 10942  | 0.04638   | EST(ze42c06.r1 Soares retina N2b4HR       | W96264            |                         |                      |
|        |           | Homo sapiens cDNA clone                   | •                 |                         |                      |
|        |           | IMAGE:361642 5' )                         |                   |                         |                      |
| 10946  | 0.031002  | of yeast long chain polyunsaturated fatty | NM_021814         | Hs.250175               | NP_068586            |
|        |           | acid elongation enzyme 2 (HELO1),         |                   |                         |                      |
|        |           | mRNA /cds=(345,1244)                      |                   | X                       | .*.*                 |
| -      | · ·       | /gb=NM_021814 /gi=21361903                | (-                |                         |                      |
|        | ,         | /ug=Hs.250175 /len=3011                   |                   |                         | . :                  |
| 10949  | 0.022485  | yo73e02.s1 Soares breast 3NbHBst          | H44042            | Hs.391565               |                      |
|        | 7         | cDNA clone IMAGE:183578 3', mRNA          | . "               |                         | _ =                  |
|        |           | sequence /clone=IMAGE:183578              |                   |                         |                      |
|        | 4         | /clone_end=3' /gb=H44042 /gi=920094       | * .               | *                       | =                    |
| ·      |           | /ug=Hs.391565 /len=417                    | 116251000         |                         |                      |
| 10958  | 0.011228  | FLJ30424 fis, clone BRACE2008881,         | AK054986          | Hs.21423                |                      |
|        |           | weakly similar to ZINC FINGER             |                   |                         |                      |
|        |           | PROTEIN 195 /cds=UNKNOWN                  | - 5               |                         | *                    |
| •      |           | /gb=AK054986 /gi=16549625                 | •                 | ]                       |                      |
|        |           | /ug=Hs.21423 /len=2144                    |                   | 1                       |                      |
| 10989  | : 0.04638 | BX102645 NCI_CGAP_Brn23 cDNA              | BX102645          | Hs.146883               | 0                    |
|        | ٠,        | clone IMAGp998L144327, mRNA               |                   |                         | · .                  |
| * -    |           | sequence                                  |                   |                         | • . • •              |
|        | *         | /clone=IMAGp998L144327_,_IMAGE:17         | ••                |                         | 0.0                  |
| •      |           | 03965 /gb=BX102645 /gi=27831887           | *                 |                         |                      |
| 44000  | 0.005000  | /ug=Hs.146883 /len=786                    | A A 407000        |                         | 1                    |
| 1,1006 | 0.005206  | ab12g02.s1 Stratagene lung (#937210)      | AA487969          | Hs.96692                |                      |
| : 5    |           | cDNA clone IMAGE:840626 3', mRNA          |                   |                         |                      |
|        |           | sequence /clone=IMAGE:840626              | • •               |                         |                      |
| •.     |           | /clone_end=3' /gb=AA487969                |                   | *                       |                      |
| 44000  | 0.005070  | /gi=2215400 /ug=Hs.96692 /len=466         | DM004464          | Un 424057               |                      |
| 11020  | 0.0250/2  | UI-H-DH0-aul-j-10-0-UI.s1                 | BM994461          | Hs.434057               |                      |
|        |           | NCI_CGAP_DH0 cDNA clone                   | /                 |                         |                      |
|        |           | IMAGE:5871081 3', mRNA sequence           |                   |                         |                      |
|        | Y.        | /clone=IMAGE:5871081 /clone_end=3'        |                   |                         | 0.0                  |
| ,      |           | /gb=BM994461 /gi=19719362                 |                   |                         |                      |
| 4400-  | 0.004070  | /ug=Hs.434057 /len=2059                   | 41/000047         | 112 20002               | -                    |
| 11027  | 0.034378  | cDNA FLJ12885 fis, clone                  | AK022947          | Hs.36093                |                      |
|        |           | NT2RP2003988. /gb=AK022947                |                   |                         | · ·                  |
|        | 1 .       | /gi=10434630 /ug=Hs.36093 /len=2000       |                   |                         |                      |

| Spot  | p-value       | Description                           | Gene<br>Accession<br>No. | Unig ne<br>Acc ssion<br>No. | Protein<br>Accession<br>No. |
|-------|---------------|---------------------------------------|--------------------------|-----------------------------|-----------------------------|
| 11030 | 0.022485      | ESTs, cDNA, 3' end                    | Al671885                 | Hs.110855                   | NO                          |
| 11000 | 0.022 100     | /clone=IMAGE:2308223 /clone_end=3'    | , 407 1000               | 113.110000                  |                             |
|       | - "           | /gb=Al671885 /gi=4851616              |                          |                             | =)(=                        |
|       |               | /ug=Hs.110855 /len=593                |                          |                             |                             |
| 11032 | 0.029136      | nj38c05.s1 NCI_CGAP_AA1 cDNA          | AA548630                 | Hs.105848                   |                             |
| 11002 | 0.023100      | clone IMAGE:994760 3' similar to      | 70.0-10000               | 113. 1000-0                 | · ·                         |
| *     |               | gb:M62424 THROMBIN RECEPTOR           | *-                       |                             |                             |
| ÷     |               | PRECURSOR mRNA sequence               |                          |                             |                             |
|       | ,             | /clone=IMAGE:994760 /clone_end=3'     |                          | **                          |                             |
| * .   |               | /gb=AA548630 /gi=2318912              |                          |                             | 1 -                         |
| ١,    |               | /ug=Hs.105848 /len=555                |                          |                             | •                           |
| 11033 | 0.016021      | FLJ30661 fis, clone DFNES2000526      | AK055223                 | Hs.265540                   | NP 057178                   |
| 11033 | 0.010031      | /cds=UNKNOWN /gb=AK055223             | AKUSSZZS                 | Ins.200040                  | NP_05/1/6                   |
|       |               | /gi=16549904 /ug=Hs.265540 /len=2514  | <i>*</i>                 |                             |                             |
|       | * 0           | /gi= 16549904 /ug=ms.265540 /ien=2514 |                          |                             | // <b>1</b> ×               |
| 11011 | 0.004070      | FOT/fetal liver cale on ANELO Llerge  | 1100440                  |                             |                             |
| 11044 | 0.034378      | EST(fetal liver spleen 1NFLS Homo     | H90418                   |                             |                             |
|       |               | sapiens cDNA clone IMAGE:241467 3')   |                          |                             | -0.0                        |
| 14055 | 0.000054      | 10.5.014                              | D14005054                | 11 04500                    |                             |
| 11055 | 0.038054      | UI-E-CL1-aez-f-02-0-UI r1 UI-E-CL1    | BM695854                 | Hs.21509                    |                             |
|       |               | cDNA clone UI-E-CL1-aez-f-02-0-UI 5', | 1.0                      |                             | **.                         |
|       |               | mRNA sequence /clone=UI-E-CL1-aez-f   |                          |                             | ·                           |
|       |               | 02-0-UI /clone_end=5' /gb=BM695854    | e                        |                             | * *                         |
|       |               | /gi=19009112 /ug=Hs.21509 /len=1260   |                          |                             |                             |
| 11050 | 0.04700       | B.14 51 100050 5                      | 11/005700                | 11. 140000                  |                             |
| 11056 | 0.01798       | cDNA: FLJ22050 fis, clone HEP09454.   | AK025703                 | Hs.173705                   |                             |
|       |               | /gb=AK025703 /gi=10438305             |                          |                             |                             |
|       |               | /ug=Hs.173705 /len=1990               |                          | <u>'</u>                    |                             |
| 11007 | 0.000400      | FOT BYIN SI                           | B0050000                 | 11. 400004                  | NID 504570                  |
| 11067 | 0.029136      | ESTs, cDNA, 5' end                    | BG253800                 | Hs.128894                   | NP_524576                   |
|       | · · · · · · · | /clone=IMAGE:4474821 /clone_end=5'    |                          |                             |                             |
|       |               | /gb=BG253800 /gi=12763616             |                          |                             | ••                          |
| 44000 | 0.004000      | /ug=Hs.128894 /len=950                | 11.050440                |                             |                             |
| 11068 | 0.031002      | mRNA; cDNA DKFZp586G1520 (from        | AL050148                 | Hs.31834                    |                             |
| l .   |               | clone DKFZp586G1520) /gb=AL050148     |                          | * *                         |                             |
|       | 9.1           | /gi=4884359 /ug=Hs.31834 /len=3030    | ·                        |                             | ·                           |
|       |               |                                       |                          |                             | <u> </u>                    |
| 11069 | 0.00772       | ESTs, Stratagene ovarian cancer       | AI732587                 |                             |                             |
| 1-    |               | (#937219 cDNA clone IMAGE:595374 3'   |                          | ÷                           |                             |
| - "   |               | similar to TR:Q13129 Q13129 ZN-15     | é                        | : °                         |                             |
|       |               | RELATED ZINC FINGER PROTEIN;          |                          | 2.50.50.00.00.00            |                             |
| 11091 | 0.042048      | BX091936 Soares placenta Nb2HP        | BX091936                 | Hs.24598                    |                             |
|       |               | cDNA clone IMAGp998N02193;            |                          |                             |                             |
|       |               | IMAGE:135745, mRNA sequence           |                          |                             | ê <sub>0</sub> .            |
|       |               | /clone=IMAGp998N02193_;_IMAGE:13      |                          |                             | 3                           |
| 100   | ,             | 5745 /gb=BX091936 /gi=27822661        |                          | *                           |                             |
|       |               | /ug=Hs.24598 /len=688                 |                          | *                           |                             |
| 11110 | 0.020126      | cDNA FLJ37125 fis, clone              | AK094444                 | Hs.12030                    | 1                           |
|       |               | BRACE2022638. /gb=AK094444            | 1                        | ,                           |                             |
|       | · ·           | /gi=21753507 /ug=Hs.12030 /len=2720   | 4,                       |                             |                             |
| 1     |               |                                       |                          |                             |                             |

| Spot  | p-value                                 | Description                               | Gene         | Unigen           | Protein    |
|-------|---|---|--------------|------------------|------------|
|       |   |   | Accession    | Accession        | Accession  |
| -     | - 16 1                                  |   | No.          | No.              | No.        |
| 11118 | 0.025072                                | BX100041 Soares pineal gland              | BX100041     | Hs.446061        | *.         |
|       |   | 3NbHPG cDNA clone                         |              | ·                |            |
|       |   | IMAGp998D02466, mRNA sequence             | ·            |                  |            |
|       |   | /clone=IMAGp998D02466_;_IMAGE:23          |              | *                | - *        |
|       |   | 1505 /gb=BX100041 /gi=27830398            | *            | *                | **. *      |
|       | - 10                                    | /ug=Hs.446061-/len=718                    |              | 4.               |            |
| 11166 | 0.010197                                | ym53e05.s1 Soares infant brain 1NIB       | H24464       | Hs.417814        | .y.        |
| ١.    | 4.                                      | cDNA clone IMAGE:51803 3', mRNA           | · ·          |                  |            |
|       |   | sequence /clone=IMAGE:51803               |              |                  | ,          |
|       |   | /clone_end=3' /gb=H24464 /gi=893,159      |              |                  |            |
| 44400 | 0.040040                                | /ug=Hs 417814 /len=487                    | 550000       | 10010            |            |
| 11168 | 0.042048                                | hv66b12.x1 NCI_CGAP_Lu24 cDNA             | BE220031     | Hs.192491        |            |
|       |   | clone IMAGE:3178367 3', mRNA              | . *          |                  |            |
|       | *                                       | sequence /clone=IMAGE:3178367             |              | , ,              | - 00       |
|       |   | /clone_end=3' /gb=BE220031                |              |                  |            |
| 44400 | 0.000054                                | /gi=8907349 /ug=Hs.192491 /len=379        |              |                  |            |
|       | 0.038054                                |   | A 1707 40 50 | 11 054507        |            |
| 11198 | 0.013065                                | cDNA FLJ23679 fis, clone HEP09084.        | AK074259     | Hs.351597        | H          |
| , '   |   | /gb=AK074259 /gi=18676812                 | *            |                  |            |
| 11000 |   | /ug=Hs.351597 /len=2006                   | DEC00704     |                  |            |
| 11200 |   | EST(cDNA clone IMAGE:3087494 3')          | BF509784     |                  |            |
|       |   | No significant match                      | SEQ.ID.No.93 | H- 02070         | ND 004524  |
| 11238 | 0.027906                                | nebulin mRNA, partial cds. /gb=U35637     | U35637       | Hs.83870         | NP_004534  |
|       | ٠ ,                                     | /gi=1205988 /ug=Hs.83870 /len=9443        |              |                  |            |
| 11257 | 0.04630                                 | mRNA for FLJ00086 protein, partial cds.   | AK024497     | Hs.343828        | NP_835461  |
| 11237 | 0.04036                                 | /cds=(1951,3150) /gb=AK024487             | ANU24407     | П5.343020        | INP_030401 |
|       | +                                       | /gi=10440487 /ug=Hs.343828 /len=4456      | 1            |                  |            |
|       |   | /gi=10440467 /dg=H5.545026 /lett=4456<br> | 8.           |                  |            |
| 11261 | 0.009931                                | hypothetical protein MGC14480             | NM 144998    | Hs.37616         | NP_659435  |
| 11201 | 0.00000                                 | (MGC14480), mRNA /cds=(18,209)            | 1410_144550. | 113.57010        | _          |
|       |   | /gb=NM_144998 /gi=21450710                |              |                  | 0.00       |
|       |   | /úg=Hs.37616 /len=844                     | .,           |                  | · ·        |
| 11263 | 0.027906                                | KIAA1804 protein, partial cds             | AB058707     | Hs.50883         | NP_115811  |
|       | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | /cds=UNKNOWN /gb=AB058707                 |              | 1                | 1 (1991)   |
|       |   | /gi=14017824 /ug=Hs.50883                 | ٠.,          |                  | 9 .        |
| 11297 | 0.022485                                | farnesyl diphosphate synthase (farnesyl   | NM 002004    | Hs.335918        | NP_001995  |
|       |   | pyrophosphate synthetase,                 |              |                  |            |
|       |   | dimethylallyltranstransferase,            | 3.           |                  |            |
| [ ·   |   | geranyltranstransferase) (FDPS),          |              | l * <sup>*</sup> |            |
|       | -                                       | mRNA /cds=(115,1374)                      |              | . 4              | The Second |
| ,     |   | /gb=NM_002004 /gi=4503684                 |              | *                | -          |
|       |   | /ug=Hs.335918 /len=1430                   |              |                  | 2          |
| 11313 | 0.027459                                | NADH dehydrogenase (ubiquinone) 1         | NM_004541    | Hs.74823         | NP_004532  |
|       |   | alpha subcomplex, 1, 7.5kDá               | _            |                  |            |
| ₹ .   | -)(-                                    | (NDUFA1), nuclear gene encoding           |              | · .              |            |
|       |   | mitochondrial protein, mRNA               |              |                  | ·          |
| -00   |   | /cds=(143,355) /gb=NM_004541              | 0            | *                |            |
|       |   | /gi=13699820 /ug=Hs.74823 /len=479        |              | J                |            |

| Spot   | p-value   | Description   | Gene           | Unigene      | Protein                                |
|--------|-----------|---|----------------|--------------|--|
|        | P         |   | Accession      | Accession    | Accession                              |
| ,      |           | *   | No.            | No.          | No.                                    |
| 11324  | 0.01798   | endoplasmic reticulum stress-inducible,                             | NM 014685      | Hs.146393    | NP_055500                              |
| 7      | *         | ubiquitin-like domain member 1                                      | <del>-</del>   |              |  |
|        |           | (HERPUD1), mRNA /cds=(96,1271)                                      |                |              | ,                                      |
|        |           | /gb=NM_014685 /gi=7661869   |                | ,            | 9-                                     |
|        |           | /ug=Hs.146393 /len=1884   |                |              |  |
|        | ·         |   |                |              |  |
| 11325  | 0.027906  | tetratricopeptide repeat domain 8                                   | NM_144596      | Hs.55158     | NP_653197                              |
| - '''  |           | (TTC8), mRNA /cds=(53,1648)   |                |              | _                                      |
|        | 4.        | /gb=NM_144596 /gi=21389382  |                |              |  |
|        |           | /ug=Hs.55158 /len=2241  |                |              |  |
| 11335  | 0.020126  | COX11 cytochrome c oxidase assembly                                 | NM_004375      | Hs.241515    | NP_004366                              |
|        |           | protein (yeast) (COX11), nuclear gene                               |                |              |  |
|        |           | encoding mitochondrial protein, mRNA                                |                |              |  |
| ,      | , ~       | /cds=(48,878) /gb=NM_004375   |                |              |  |
|        |           | /gi=17921983 /ug=Hs.241515 /len=2717                                |                |              | ,                                      |
|        |           |   | <u> </u>       |              |  |
| 11337  | 0.020126  | dihydropyrimidine dehydrogenase                                     | NM_000110      | Hs.1602      | NP_000101                              |
|        | · ·       | (DPYD), mRNA /cds=(102,3179)  |                | 3            |  |
|        | W.        | /gb=NM_000110 /gi=4557874   |                |              |  |
|        |           | /ug=Hs.1602 /len=4407   |                |              |  |
| 11338  | 0.011228  | Similar to SRY-box containing gene 5,                               | BC014929       | Hs.383009    | 100                                    |
|        |           | clone IMAGE:3919439, mRNA   |                | · · ·        |  |
|        |           | /gb=BC014929 /gi=15928923   |                |              | 3.                                     |
|        |           | /ug=Hs.383009 /len=652  | -              |              |  |
| 11349  | 0.022485  | hypothetical nuclear factor SBBI22                                  | NM_020395      | Hs.432952    | NP_065128                              |
| • = .  | . *       | (LOC57117), mRNA /cds=(207,1595)                                    |                |              | * -                                    |
|        |           | /gb=NM_020395 /gi=21361850  |                |              |  |
| 44000  | 0.04000   | /ug=Hs.432952 /len=1716   | 50011051       |              | -                                      |
| 11369  | 0.04638   | clone IMAGE:5301545, mRNA   | BC041951       | Hs:177781    |  |
|        |           | /gb=BC041951 /gi=27469737   |                |              | ·                                      |
| 44074  | 0.04700   | /ug=Hs.177781 /len=2155   | A14000700      | 11- 204040   | ND 040505                              |
| 11371  | 0.01798   | FLJ13700 fis, clone PLACE2000216,                                   | AK023762       | Hs.324648    | NP_842565                              |
|        |           | highly similar to SPECTRIN BETA                                     | 100            |              |  |
|        | 2         | CHAIN, BRAIN /cds=UNKNOWN   | - +            |              |  |
| 0      | 9         | /gb=AK023762 /gi=10435792   |                |              |  |
| 11374  | 0.01/265  | /ug=Hs.324648 /len=3334<br>peptidyl-prolyl isomerase G (cyclophilin | NM 004792      | Hs.77965     | ND 004793                              |
| [.13/4 | 0.0 [4200 | G) (PPIG), mRNA /cds=(158,2422)                                     | 141VI_UU4/92 / | 113.77803    | NP_004783                              |
| [·     |           | /gb=NM_004792 /gi=4758105   | *              |              |  |
|        |           | /ug=Hs.77965 /len=2695  |                |              | · .                                    |
| 11394  | 0.016031  | hypothetical protein CL25022  | NM_015702      | Hs.5324      | NP_056517                              |
| - 1004 | 3.0,0001  | (CL25022), mRNA /cds=(158,1048)                                     | 14141_019792   | 113.0024     |  |
|        |           | /gb=NM 015702 /gi=7661547   | * *            |              |  |
|        |           | /ug=Hs.5324 /len=1416   |                |              | [ ·                                    |
| 11404  | 0.038054  | hypothetical protein MGC3067  | NM 024295      | Hs.323114    | NP_077271                              |
| 1      | 3.90004   | (MGC3067), mRNA /cds=(140,895)                                      | 1.441_024200   | 1119.020114. | -0//2/                                 |
| · ·    |           | /gb=NM_024295 /gi=13236515  | :              |              | ÷ .                                    |
| , ,    |           | /ug=Hs.323114 /len=1203   |                |              |  |
|        | L         | 1/49 110.020 1 17 /1011 1200  |                | L            | لـــــــــــــــــــــــــــــــــــــ |

| Spot   | p-value  | Description                            | Gene          | Unigene          | Protein   |
|--|----------|--|---------------|------------------|-----------|
|  | -        | *                                      | Accession     | Accession        | Accession |
|  | *        |  | No.           | No.              | No.       |
| 11411  | 0.034378 | DKFZP434D1335 protein                  | NM_015578     | Hs.8258          | NP_056393 |
| -  |          | (DKFZP434D1335), mRNA                  |               |                  | .[        |
|  |          | /cds=(78,1469) /gb=NM_015578           | e or other se |                  |           |
| } .  |          | /gi=24308092 /ug=Hs.8258 /len=3389     |               |                  | 1 1       |
| 11433  | 0.01798  | annexin A7 (ANXA7), transcript variant | NM_004034     | Hs.386741`       | NP_004025 |
|  | ,        | 2, mRNA /cds=(61,1527)                 |               |                  |           |
|  |          | /gb=NM_004034 /gi=4809278              |               |                  | * .       |
|  |          | /ug=Hs.386741 /len=2176                |               |                  |           |
| 11444  | 0.034378 | coproporphyrinogen oxidase             | NM_000097     | Hs.89866         | NP_000088 |
|  |          | (coproporphyria, harderoporphyria)     |               | * .              | *         |
| ÷  |          | (CPO), mRNA /cds=(68,1432)             |               |                  |           |
|  |          | /gb=NM_000097 /gi=20127405             |               |                  |           |
|  |          | /ug=Hs.89866 /len=2691                 |               |                  |           |
| 11446  | 0.04638  | ornithine decarboxylase antizyme 1     | NM_004152     | Hs.281960        | NP_004143 |
|  |          | (OAZ1), mRNA /gb=NM_004152             |               |                  | 4         |
| <u>.                                    </u> |          | /gi=9845504 /ug=Hs.281960 /len=986     |               |                  | *         |
| 11472  | 0.012669 | similar to RIKEN cDNA 1110018M03,      | BC026873      | Hs.32478         |           |
| 1 "  |          | clone MGC:24932 IMAGE:4938507,         |               |                  |           |
|  |          | mRNA, complete cds /cds=(218,853)      |               |                  |           |
| 1  |          | /gb=BC026873 /gi=20073062              |               |                  |           |
|  |          | /ug=Hs.32478 /len=1826                 |               |                  |           |
| 11473  | 0.04638  | hypothetical protein BC013035          | NM_138436     | Hs.10018         | NP_612445 |
| 1  |          | (LOC114926), mRNA /cds=(128,430)       |               |                  |           |
|  |          | /gb=NM_138436 /gi=19923964             |               | -()-             | \         |
| Ľ.   |          | /ug=Hs.10018 /len=836                  |               |                  |           |
| 11476  | 0.009931 | clone IMAGE:3866125, mRNA              | BC035467      | Hs.301226        |           |
|  |          | /gb=BC035467 /gi=22028050              |               |                  |           |
|  |          | /ug=Hs.301226 /len=2297                |               | <u> </u>         |           |
| 11480  | 0.031002 | hypothetical protein FLJ23751          | NM_152282     | Hs.37443         | NP_689495 |
| <i>i</i> , .                                 | ł . ,    | (FLJ23751), mRNA /cds=(121,1563)       |               | *                |           |
| 1  |          | /gb=NM_152282 /gi=22748648             |               | 1                |           |
|  |          | /ug=Hs.37443 /len=2994                 |               |                  |           |
| 11481  | 0.042048 | eps8 binding protein e3B1 mRNA,        | AF006516      | :                | NP_005461 |
|  |          | complete cds                           |               |                  |           |
| 11482  | 0.04638  | clone IMAGE:5271722, mRNA              | BC038786      | Hs.190456        |           |
|  |          | /gb=BC038786 /gi=24270905              |               |                  |           |
| ļ  |          | /ug=Hs.190456 /len=1535                |               | <u> </u>         |           |
| 11484  | 0.034378 | casein alpha s1 (CSN1S1), mRNA         | NM_001890     | Hs.3155          | NP_001881 |
|  |          | /cds=(50,607) /gb=NM_001890            |               | •                |           |
|  |          | /gi=4503084 /ug=Hs.3155 /len=981       |               |                  |           |
| 11497  | 0.034378 | FK506 binding protein 14, 22 kDa       | NM_017946     | Hs.264636        | NP_060416 |
|  |          | (FKBP14), mRNA /cds=(146,781)          |               | ;                | }         |
| ]  |          | /gb=NM_017946 /gi=8923658              |               | ļ                | j         |
| 1  |          | /ug=Hs.264636 /len=2248                | L             | <del>  , _</del> |           |
|  |          | creatine kinase, brain (Ckb), mRNA     | NM_021273     |                  | NP_067248 |
| 11513  | 0.020126 | sulfatase SULF1 precursor, mRNA,       | AF545571      | Hs.70823         | NP_055985 |
|  | 1 .      | complete cds /cds=(707,3322)           | - 1           | }                | }.        |
|  |          | /gb=AF545571 /gi=28191289              | *             | * .              |           |
|  | <u></u>  | /ug=Hs.70823 /len=5699                 | <u> </u>      | <u> </u>         |           |

| Spot      | p-value   | Description  | Gene<br>Accession | Unig ne<br>Accession                  | Protein<br>Accession                  |
|-----------|-----------|--|-------------------|---------------------------------------|---------------------------------------|
| 44540     | 0.04700   | C00042024E4 NULL MCC 40 -DNA   | No.               | No.                                   | No.                                   |
| 11516     | 0.01798   | 602943821F1 NIH_MGC_19 cDNA  | BI194863          | Hs.444288                             |                                       |
|           |           | clone IMAGE:5091917 5', mRNA   | 1                 |                                       |                                       |
|           |           | sequence /clone=IMAGE:5091917  |                   |                                       |                                       |
|           | -A - V    | /clone_end=5' /gb=BI194863   | -2-               | *                                     |                                       |
|           |           | /gi=14649883 /ug=Hs.444288 /len=863  |                   | • 1                                   |                                       |
| 11517     | 0.002982  | fasciculation and elongation protein zeta                                  | NM_005103         |                                       | NP_072043                             |
|           |           | 1 (zygin I) (FEZ1), transcript variant 1,                                  |                   | }                                     |                                       |
| 1 1 2 2 2 |           | mRNA   | 101 0000          |                                       |                                       |
| 11518     | 0.025072  | RAB22A, member RAS oncogene  | NM_020673         | Hs.288968                             | NP_065724                             |
|           |           | family (RAB22A), mRNA /cds=(241,825)                                       |                   | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                                       |
| •         | . '       | /gb=NM_020673 /gi=10190713   |                   |                                       |                                       |
| ``        | *.        | /ug=Hs.288968 /len=1728  |                   |                                       |                                       |
| 11520     | 0.022485  | MYLE protein (MYLE), mRNA  | NM 014015         | Hs.11902                              | NP_054734                             |
| 1,7020    | 0.022.700 | /cds=(12,299) /gb=NM 014015  | 7,,,,,_0,,,0      | 1.10, 1.002                           |                                       |
| 7         |           | /gi=13384596 /ug=Hs.11902 /len=1120  |                   |                                       |                                       |
|           | *         | ,                                    |                   |                                       |                                       |
| 11536     | 0.04638   | EST(yh89e10.r1 cDNA clone 136938 5')                                       | R38461            |                                       | NP 001002                             |
|           |           | 8e-06 match  |                   |                                       | 7                                     |
| 11570     | 0.020126  | clone IMAGE:5295896, mRNA  | BC043240          | Hs.104413                             |                                       |
| 1         | 0.020.20  | /gb=BC043240 /gi=27695834  |                   |                                       |                                       |
|           | 1 (0)     | /ug=Hs.104413 /len=2136  | 0                 |                                       |                                       |
| 11587     | 0.034378  | EST(ga18c02.x1 NCI_CGAP_Brn23  | AI094920          |                                       | NP_001685                             |
|           |           | clone IMAGE:1687106 3' gb:M62762   |                   | 1                                     |                                       |
|           |           | VACUOLAR ATP SYNTHASE 16 KD  |                   |                                       |                                       |
|           | .*        | PROTEOLIPID SUBUNIT)   | · ·               | ·                                     | · 1                                   |
| 11588     | 0.020126  | EST(oz13e06.x1   | AI078464          |                                       | · · · · · · · · · · · · · · · · · · · |
| 1         | 0.020.20  | Soares_fetal_liver_spleen_1NFLS_S1   |                   | j                                     |                                       |
| ,         | * * *     | clone IMAGE:1675234 3')  | Ē                 |                                       |                                       |
| 11590     | 0.038054  | UI-E-EJ0-aig-j-08-0-UI.s1 UI-E-EJ0   | BM682503          | Hs.446242                             |                                       |
| )         |           | cDNA clone UI-E-EJ0-aig-j-08-0-UI 3',                                      |                   |                                       | )                                     |
|           |           | mRNA sequence /clone=UI-E-EJ0-aig-j-                                       |                   |                                       |                                       |
|           |           | 08-0-UI /clone end=3' /gb=BM682503   | [                 |                                       | (                                     |
|           | 1         | /gi=18992399 /ug=Hs.446242 /len=1052                                       |                   |                                       | 1                                     |
|           |           | , g. 1000_000 / ug, 1,0. 1 / 02 12 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 |                   | , ,                                   | ) ·                                   |
| 11597     | 0.020126  | EST HUM517A08B Clontech human  | D63277            | <del> </del>                          |                                       |
| 1.100.    | 0.520125  | placenta polyA mRNA (#6572) Human  |                   |                                       | 1                                     |
|           |           | sapiens cDNA clone GEN-517A08 5'   |                   |                                       | }                                     |
|           | ) ·       |  |                   |                                       |                                       |
| 11612     | 0.034378  | Tho2 mRNA, complete cds  | AF441770          | Hs.16411                              | 175                                   |
|           |           | /cds=(1,4437) /gb=AF441770   |                   |                                       | }                                     |
|           |           | /gi=20799317 /ug=Hs.16411 /len=4452  |                   | ,                                     |                                       |
|           |           | ).   |                   |                                       |                                       |
| 11657     | 0.04638   | hypothetical protein FLJ23320  | NM 024672         | Hs.85910                              | NP 078948                             |
| ,         | 0.3.000   | (FLJ23320), mRNA /cds=(117,2195)   |                   |                                       |                                       |
| 1         |           | /gb=NM_024672 /gi=13375933   |                   |                                       | ,                                     |
|           |           | /ug=Hs.85910 /len=2337   |                   |                                       | 1                                     |
| <u> —</u> | L         | 1/49 113.000 TO /ICH-200/  | <del></del>       | <del>!</del>                          | <del>!</del>                          |

| 11701   0.042048   of, yeast long chain polyunsaturated fatty acid elongation enzyme 2 (HELO1), mRNA /cds=(345,1244) /gb=NM_021814 /gi=21361903 /ug=Hs.250175 /ken=3011   NM_021814 /gi=21361903 /ug=Hs.250175 /ken=3011   NM_021814 /gi=21361903 /ug=Hs.250175 /ken=3011   NM_001402   Hs.422118   NP_0011   Alpha 1 (EEF1A1), mRNA /cds=(63,1451) /gb=NM_001402 /gi=25453469 /ug=Hs.422118 /len=1837   NM_001402 /gi=25453469 /ug=Hs.422118 /len=1837   NM_001402 /gi=25453469 /ug=Hs.422118 /len=1837   NM_001402 /gi=25453469 /ug=Hs.422118 /len=1837   NM_001402 /gi=25453469 /ug=Hs.422118 /len=1837   NM_001402 /ug=Hs.101257 /len=1958   NM_001402 /ug=Hs.101257 /len=1958   NM_001402 /ug=Hs.101257 /len=1958   NM_001402 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /len=1958   NM_0014025 /ug=Hs.101257 /ug=Hs.20120 /ug=Hs.101257 /ug=Hs.20120 /ug=Hs.101257 /ug=Hs.20120 /ug=Hs.101257 /ug=Hs.20120 /ug=Hs.101257 /ug=Hs.20120 /u   | Spot  | p-value      | Description                             | Gene         | Unigene    | Protein  |
|--|-------|--------------|---|--------------|------------|--|
| 11701   0.042048   of.yeast long chain polyunsaturated fatty   NM_021814   Hs.250175   NP_068   acid elongation enzyme 2 (HELQ1), mRNA /cds=(345,1244)   /gb=NM_021814 /gi=21361903   /ug=Hs.250175 /len=3011   NM_001402   Hs.422118   NP_001   Algha 1 (EEF1A1), mRNA /cds=(63,1451)/gb=NM_001402   /gi=25453469 /ug=Hs.422118 /len=1837   NM_001402   /gi=25453469 /ug=Hs.422118 /len=1837   NM_025246   Hs.101257   NP_079   NM_0053295   NM_025246 /gi=13376859   NM_025246 /gi=13376859   NM_025246 /gi=13376859   NM_005628 /gi=5032092   Ng=Hs.101257 /len=1958   NM_005628   NM_005628 /gi=5032092   Ng=Hs.183556 /mRNA /cds=(691,2216)   Nm_004615 /gi=21265103   Nm_0046198 /gi=543865 /ug=Hs.80296 /len=540   Nm_006198 /gi=543865 /ug=Hs.80296 /len=540   Nm_006198 /gi=5408698 /gi=19001938 /ug=Hs.406520 /len=593   Nm_006198 /gi=19001938 /ug=Hs.406520 /len=934   Nm_006198 /gi=19001938 /ug=Hs.406520 /len=934   Nm_0015525 /len=240 /len=545 /gi=308082 /lin=10047182 /ug=Hs.306425 /len=2540   Nm_0015525 /len=2540   Nm_0015525 /len=2540 /len=334   Nm_0015525 /len=336 /len=2640 /len=336    |       |              |   |              |            | Accession  |
| acid elongation enzyme 2 (HELQ1), mRNA /cds=(345,1244) //gb=NM_021814 /gi=21361903 //ug=Hs.250175 /len=3011  11702   |       | -12 12 2 4 2 |   |              |            |  |
| mRNA /cds=(345,1244)   gp=NM _021814 /gi=21361903   yug=Hs.250175 /len=3011     mg=Ns_250175 /len=3011   nm _001402   nm   | 11701 | 0.042048     |   | NM_021814    | Hs.250175  | NP_068586  |
| /gb=NM_021814 /gi=21361903   /ug=Hs_250175 /len=3011   |       |              |   | *            | 6.         |  |
| Nug=Hs.250175 /len=3011  | ·   ' | ( )          |   |              |            |  |
| 11702   0.04638   eukaryotic translation elongation factor   1 alpha 1 (EEF1A1), mRNA   /ds=(63,1451) /gb=NM_001402   /gi=25453469 /ug=Hs.422118 /len=1837   /invalidation   1 alpha 1 (EEF1A1), mRNA   /ds=(63,1451) /gb=NM_001402   /gi=25453469 /ug=Hs.422118 /len=1837   /invalidation     | -     |              |   |              |            | 1  |
| 1 alpha 1 (EEF1A1), mRNA //ds=(63,1451) /gb=NM_001402 /gi=25453469 /ug=Hs.422118 /len=1837  11703  |       |              |   |              |            |  |
| /cds=(63,1451) /gb=NM_001402 /gi=25453469 /ug=Hs 422118 /len=1837  11703   | 11702 | 0.04638      |   | NM_001402    | Hs.422118  | NP_001393  |
|  | •     |              |   |              | ×          |  |
| 11703 0.016031 hypothetical protein MGC3295 (MGC3295), mRNA /cds=(510,1748) /gb=NM_025246 /gi=13376859 /ug=Hs.101257 /len=1958 11704 0.014265 solute carrier family 1 (neutral amino acid transporter), member 5 (SLC1A5), mRNA /cds=(591,2216) /gb=NM_005628 /gi=5032092 /ug=Hs.183556 /len=2856 11707 0.020126 transmembrane 4 superfamily member 2 (TM4SF2), mRNA /cds=(62,811) /gb=NM_004615 /gi=21265103 /ug=Hs.82749 /len=1813 11767 0.04638 Purkinje cell protein 4 (PCP4), mRNA /cds=(58,246) /gb=NM_006198 /gi=5453857 /ug=Hs.80296 /len=540 11774 0.027906 FLJ30424 fis, clone BRACE2008881, weakly similar to ZINC FINGER PROTEIN 195 /cds=(16340625 /ug=Hs.21423 /len=2144 11775 0.011228 UI-E-CQ1-acq-f-05-0-UI.r1 UI-E-CQ1 cDNA clone UI-E-CQ1-acq-f-05-0-UI folone_end=5 /gb=BM688680 /gi=19001938 /ug=Hs.406520 /len=934 11780 0.014265 mRNA for KIAA1559 protein, partial cds AB046779 /gi=10047182 /ug=Hs.35524 /len=2540 /len=5659 11787 0.022485 inhibitor of Bruton's tyrsoine kinase (IBTK), mRNA /cds=(42,0131) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240 11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /len=327,1046) /gb=NM_022073  | }-    |              |   | *            | Year       | ~  |
| (MGC3295), mRNA /cds=(510,1748) /gb=NM_025246 /gi=13376859 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.103556 /len=2856 /ug=MM_005628 /gi=5032092 /ug=Hs.183556 /len=2856 /ug=Bs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.182749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.80296 /len=540 /ug=Hs.80296 /len=540 /ug=Hs.80296 /len=540 /ug=Hs.21423 /len=540 /ug=Hs.21423 /len=540 /ug=Hs.21423 /len=540 /ug=Hs.21423 /len=2144 /ug=Hs.21423 /len=2144 /ug=Hs.21423 | ļ     |              | /gi=25453469 /ug=Hs.422118 /len=1837    |              | :          |  |
| (MGC3295), mRNA /cds=(510,1748) /gb=NM_025246 /gi=13376859 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.101257 /len=1958 /ug=Hs.103556 /len=2856 /ug=MM_005628 /gi=5032092 /ug=Hs.183556 /len=2856 /ug=Bs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.183556 /len=2856 /ug=Hs.182749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.82749 /len=1813 /ug=Hs.80296 /len=540 /ug=Hs.80296 /len=540 /ug=Hs.80296 /len=540 /ug=Hs.21423 /len=540 /ug=Hs.21423 /len=540 /ug=Hs.21423 /len=540 /ug=Hs.21423 /len=2144 /ug=Hs.21423 /len=2144 /ug=Hs.21423 | 11703 | 0.016031     | hypothetical protein MGC3295            | NM 025246    | He 101257  | NP 079522  |
| /gb=NM_025246 /gi=13376859   /ug=Hs.101257 /len=1958     11704   0.014265   solute carrier family 1 (neutral amino acid transporter), member 5 (SLC1A5), mRNA /cds=(591,2216)   /gb=NM_005628 /gi=5032092   /ug=Hs.183556 /len=2856     11707   0.020126   transmembrane 4 superfamily member 2 (TM4SF2), mRNA /cds=(62,811)   /gb=NM_004615 /gi=21265103   /ug=Hs.82749 /len=1813     11767   0.04638   Purkinje cell protein 4 (PCP4), mRNA   /cds=(58,246) /gb=NM_006198   /gi=5453857 /ug=Hs.80296 /len=540   /ug=Hs.82749 /len=1813     11774   0.027906   FLJ30424 fits, clone BRACE2008881, weakly similar to ZINC FINGER PROTEIN 195 /cds=UNKNOWN   /gb=AK054986 /gj=16549625   /ug=Hs.21423 /len=2144     11775   0.011228   UI-E-CQ1-acq-f-05-0-UI-f1 UI-E-CQ1   cDNA clone UI-E-CQ1-acq-f-05-0-UI 5   mRNA sequence /clone=UI-E-CQ1-acq-f-05-0-UI 5   mRNA sequence /clone=UI-E-CQ1-acq-f-05-0-UI 5   /gb=BM688680   /gi=19001938 /ug=Hs.406520 /len=934     11780   0.014265   mRNA for KIAA1559 protein, partial cds. /cds=(61,1695) /gb=AB046779   /gi=10047182 /ug=Hs.35524 /len=5659     11787   0.022485   inhibitor of Bruton's tyrsoine kinase (/BTK), mRNA /cds=(420,1031)   /gb=NM_015525 /gi=24308082   /ug=Hs.306425 /len=2240   /ug=   | 11703 | 0.010031     |   |              | 113.101201 | 07 3022  |
| 11704   0.014265   solute carrier family 1 (neutral amino acid transporter), member 5 (SLC1A5), mRNA /cds=(591,2216)   /gb=NM_005628 /gi=5032092   /ug=Hs. 183556 /len=2856   11707   0.020126   transmembrane 4 superfamily member 2 (TM4SF2), mRNA /cds=(62,811)   /gb=NM_004615 /gi=21265103   /ug=Hs. 82749 /len=1813   11767   0.04638   Purkinje cell protein 4 (PCP4), mRNA /cds=(62,811)   /gb=NM_004615 /gj=21265103   /ug=Hs. 82749 /len=1813   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_006198   NM_006198   /gi=5453857 /ug=Hs. 80296 /len=540   NM_006198   NM_   |       |              |   | *            |            |  |
| 11704   0.014265   |       |              |   |              | ·          |  |
| acid transporter), member 5 (SLC1A5), mRNA /cds=(591,2216) /gb=NM_005628 /gi=5032092 /ug=Hs.183556 /len=2856  11707  | 11704 | 0.014265     |   | NM 005628    | Hs 183556  | NP 005619  |
| mRNA /cds=(591,2216) /gb=NM_005628 /gi=5032092 /ug=Hs.183556 /len=2856  11707  | 11104 | 0.014203     |   | 14111_003020 | 113.100000 | -000019  |
| /gb=NM_005628 /gi=5032092 /ug=Hs.183556 /len=2856  11707   |       | 2.           |   |              |            | 1  |
| Nug=Hs.183556   Ien=2856   Nug=Hs.183556   Nen=2856   Nug=Hs.183556   Nen=2856   Nug=Hs.182749   Nug=NM_004615   Nug=NM_0046   | 1     | ) .<br>      |   |              | *          | -  |
| 11707 0.020126 transmembrane 4 superfamily member 2 (TM4SF2), mRNA /cds=(62,811) /gb=NM_004615 /gi=21265103 /ug=Hs.82749 /len=1813  11767 0.04638 Purkinje cell protein 4 (PCP4), mRNA /cds=(58,246) /gb=NM_006198 /gi=5453857 /ug=Hs.80296 /len=540  11774 0.027906 FLJ30424 fis, clone BRACE2008881, weakly similar to ZINC FINGER PROTEIN 195 /cds=UNKNOWN /gb=AK054986 /gi=16549625 /ug=Hs.21423 /len=2144  11775 0.011228 UI-E-CQ1-acq-f-05-0-UI.r1 UI-E-CQ1 cDNA clone UI-E-CQ1-acq-f-05-0-UI /clone_end=5' /gb=BM688680 /gi=19001938 /ug=Hs.406520 /len=934  11780 0.014265 mRNA for KIAA1559 protein, partial cds. //dcs=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) /gb=AB046779 //ds=(61,1695) //ds=(61,1 | 1     | е            | • • • • • • • • • • • • • • • • • • •   |              |            |  |
| 2 (TM4SF2), mRNA /cds=(62,811) //gb=NM_004615 /gi=21265103 //ug=Hs.82749 /len=1813  11767  0.04638   | 11707 | 0.020126     |   | NM 004615    | Hs.82749   | NP 004606  |
| /gb=NM_004615 /gi=21265103   /ug=Hs.82749 /len=1813  |       | }            |   |              |            |  |
| /ug=Hs.82749 /len=1813   |       |              |   | -            |            | ]  |
| 11767   0.04638   Purkinje cell protein 4 (PCP4), mRNA   /cds=(58,246) /gb=NM_006198   /gi=5453857 /ug=Hs.80296 /len=540     11774   0.027906   FLJ30424 fis, clone BRACE2008881, weakly similar to ZINC FINGER PROTEIN 195 /cds=UNKNOWN /gb=AK054986 /gi=16549625 /ug=Hs.21423 /len=2144     11775   0.011228   UI-E-CQ1-acq-f-05-0-UI.r1 UI-E-CQ1 cDNA clone UI-E-CQ1-acq-f-05-0-UI /clone_end=5' /gb=BM688680 /gi=19001938 /ug=Hs.406520 /len=934     11780   0.014265   mRNA for KIAA1559 protein, partial cds. /cds=(61,1695) /gb=AB046779 /gi=10047182 /ug=Hs.35524 /len=5659     11787   0.022485   inhibitor of Bruton's tyrsoine kinase (IBTK), mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240     11810   0.016031   egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073   Hs.18878   NP_203 /cds=(327,1046) /gb=NM_022073  | :     |              | • • • •                                 |              |            |  |
| /cds=(58,246) /gb=NM_006198 /gi=5453857 /ug=Hs.80296 /len=540  11774   | 11767 | 0.04638      |   | NM_006198    | Hs.80296   | NP_006189  |
| 11774 0.027906 FLJ30424 fis, clone BRACE2008881, weakly similar to ZINC FINGER PROTEIN 195 /cds=UNKNOWN /gb=AK054986 /gi=16549625 /ug=Hs.21423 /len=2144  11775 0.011228 UI-E-CQ1-acq-f-05-0-UI.r1 UI-E-CQ1 cDNA clone UI-E-CQ1-acq-f-05-0-UI 5', mRNA sequence /clone=UI-E-CQ1-acq-f-05-0-UI /clone_end=5' /gb=BM688680 /gi=19001938 /ug=Hs.406520 /len=934  11780 0.014265 mRNA for KIAA1559 protein, partial cds. /cds=(61,1695) /gb=AB046779 /gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase (IBTK), mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203   | ):    |              |   | *            |            | } _  |
| weakly similar to ZINC FINGER PROTEIN 195 /cds=UNKNOWN /gb=AK054986 /gi=16549625 //ug=Hs.21423 /len=2144  11775  |       |              | /gi=5453857 /ug=Hs.80296 /len=540       |              |            | ļ <u> </u>                                       |
| PROTEIN 195 /cds=UNKNOWN /gb=AK054986 /gi=16549625 /ug=Hs.21423 /len=2144  11775   | 11774 | 0.027906     | FLJ30424 fis, clone BRACE2008881,       | AK054986     | Hs.21423   |  |
| /gb=AK054986 /gi=16549625 /ug=Hs.21423 /len=2144  11775  | İ     |              | weakly similar to ZINC FINGER           | ·            |            |  |
| /ug=Hs.21423 /len=2144   | 8.4   |              | PROTEIN 195 /cds=UNKNOWN                |              |            | }  |
| 11775  |       |              | /gb=AK054986 /gi=16549625               |              |            | r *  |
| cDNA clone UI-E-CQ1-acq-f-05-0-UI 5', mRNA sequence /clone=UI-E-CQ1-acq-f-05-0-UI /clone_end=5' /gb=BM688680 /gi=19001938 /ug=Hs.406520 /len=934  11780 0.014265 mRNA for KIAA1559 protein, partial cds. AB046779 /cds=(61,1695) /gb=AB046779 /gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase (IBTK),-mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073  |       |              | /ug=Hs.21423 /len=2144                  |              |            |  |
| mRNA sequence /clone=UI-E-CQ1-acq-f-05-0-UI /clone_end=5' /gb=BM688680 /gi=19001938 /ug=Hs.406520 /len=934  11780    0.014265    mRNA for KIAA1559 protein, partial cds. /cds=(61,1695) /gb=AB046779 /gi=10047182 /ug=Hs.35524 /len=5659  11787    0.022485    inhibitor of Bruton's tyrsoine kinase (IBTK),-mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240  11810    0.016031    egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073   | 11775 | 0.011228     | UI-E-CQ1-acq-f-05-0-UI.r1 UI-E-CQ1      | BM688680     | Hs.406520  |  |
| f-05-0-UI /clone_end=5' /gb=BM688680<br>/gi=19001938 /ug=Hs.406520 /len=934  11780 0.014265 mRNA for KIAA1559 protein, partial cds. AB046779<br>/cds=(61,1695) /gb=AB046779<br>/gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase<br>(IBTK),-mRNA /cds=(420,1031)<br>/gb=NM_015525 /gi=24308082<br>/ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203  | } ·   |              |   |              |            |  |
| /gi=19001938 /ug=Hs.406520 /len=934  11780 0.014265 mRNA for KIAA1559 protein, partial cds. /cds=(61,1695) /gb=AB046779 /gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase (IBTK),-mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203  |       |              |   | ٠.           | - ' '      |  |
| 11780 0.014265 mRNA for KIAA1559 protein, partial cds. AB046779 //cds=(61,1695) /gb=AB046779 //gi=10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.35524 /len=5659 //cds=(10047182 /ug=Hs.306425 /len=5659 //cds=(10 |       |              |   | 1            |            |  |
| /cds=(61,1695) /gb=AB046779<br>/gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase<br>(IBTK),-mRNA /cds=(420,1031)<br>/gb=NM_015525 /gi=24308082<br>/ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073  | 1 .   | -            | /gi=19001938 /ug=Hs.406520 /len=934     |              |            |  |
| /cds=(61,1695) /gb=AB046779<br>/gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase<br>(IBTK),-mRNA /cds=(420,1031)<br>/gb=NM_015525 /gi=24308082<br>/ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073  | 11700 | 0.014265     | mPNIA for KIAA1550 protoin, portici ada | AR046770     | He 35524   | <del>                                     </del> |
| /gi=10047182 /ug=Hs.35524 /len=5659  11787 0.022485 inhibitor of Bruton's tyrsoine kinase (IBTK),-mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073  | 11/00 | 0.014200     |   | LYD040118    | 13.00024   | 1  |
| 11787 0.022485 inhibitor of Bruton's tyrsoine kinase (IBTK),-mRNA /cds=(420,1031) /gb=NM_015525 /gi=24308082 /ug=Hs.306425 /len=2240  11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073   |       | *            |   |              |            |  |
| (IBTK),-mRNA /cds=(420,1031)<br>/gb=NM_015525 /gi=24308082<br>/ug=Hs.306425 /len=2240<br>11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203<br>/cds=(327,1046) /gb=NM_022073   |       |              | rgi- 10047 102 /ug-ms.35324 /iem-3039   |              |            | [ · ·  |
| (IBTK),-mRNA /cds=(420,1031)<br>/gb=NM_015525 /gi=24308082<br>/ug=Hs.306425 /len=2240<br>11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203<br>/cds=(327,1046) /gb=NM_022073   | 11787 | 0.022485     | inhibitor of Bruton's tyrsoine kinase   | NM 015525    | Hs.306425  | NP_056340  |
| /gb=NM_015525 /gi=24308082<br>/ug=Hs.306425 /len=2240<br>11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203<br>/cds=(327,1046) /gb=NM_022073   |       |              |   |              |            | -  |
| /ug=Hs.306425 /len=2240 11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073   |       | ]            |   |              |            |  |
| 11810 0.016031 egl nine 3 (C. elegans) (EGLN3), mRNA NM_022073 Hs.18878 NP_203 /cds=(327,1046) /gb=NM_022073   | 1     |              | 1                                       |              |            |  |
| /cds=(327,1046) /gb=NM_022073  | 11810 | 0.016031     |   | NM_022073    | Hs.18878   | NP_203130  |
|  |       |              |   |              | -          |  |
| The programme of the pr | 0,    |              | /gi=11545786 /ug=Hs.18878 /len=2770     |              |            | , , ,  |
|  | L     | <u> </u>     |   | <u></u>      |            |  |

| Spot  | p-value  | Description  | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Accession<br>No. |
|-------|----------|--|--------------------------|-----------------------------|-----------------------------|
| 11818 | 0.04638  | clone 23698 mRNA sequence<br>/gb=AF052094 /gì=3360400<br>/ug=Hs.8136 /len≅1264   | AF052094                 | Hs.8136                     |                             |
| 11822 | 0.038054 | protein phosphatase 2, regulatory<br>subunit B (B56), gamma isoform<br>(PPP2R5C), mRNA /cds=(89,1633)  | NM_002719                | Hs.171734                   | NP_848703                   |
|       |          | /gb=NM_002719 /gi=4506022<br>/ug=Hs.171734 /len=4064   |                          |                             |                             |
| 11840 | 0.04638  | mitogen-activated protein kinase kinase<br>kinase 2 (MAP3K2), mRNA<br>/cds=(102,1964) /gb=NM_006609<br>/gi=21735555 /ug=Hs.28827 /len=3336   | NM_006609                | Hs.28827                    | NP_006600                   |
| 11843 | 0.012669 | kinesin family member 13B (KIF13B),<br>mRNA /cds=(38,5518) /gb=NM_015254<br>/gi=13194196 /ug=Hs.15711 /len=8743  | NM_015254                | Hs.15711                    | NP_056069                   |
| 11859 | 0.027906 | hypothetical protein FLJ13590<br>(FLJ13590), mRNA /cds=(465,2210)<br>/gb=NM_024840 /gi=21362002<br>/ug=Hs.183390 /len=2225   | NM_024840                | Hs.183390                   | NP_079116                   |
| 11922 | 0.025072 | Hypothetical protein MGC30022, cDNA<br>FLJ12832 fis, clone NT2RP2003137<br>/cds=UNKNOWN /gb=AK022894<br>/gi=10434551 /ug=Hs.179852 /len=2540   | AK022894                 | Hs.179852                   | NP_689490                   |
| 11927 | 0.031002 | CCR4-NOT transcription complex,<br>subunit 8 (CNOT8), mRNA<br>/cds=(245,1123) /gb=NM_004779<br>/gi=24496777 /ug=Hs.26703 /len=2489   | NM_004779                | Hs.26703                    | NP_004770                   |
| 11932 | 0.034378 | LIN-7 protein 3, cDNA: FLJ21887 fis, clone HEP03135, highly similar to AF090900 Homo sapiens clone HQ0189 PRO0189 mRNA /cds=UNKNOWN /gb=AK025540 /gi=10438087 /ug=Hs.91393 /len=2440 | AK025540                 | Hs.91393                    | NP_060832                   |
| 11947 |          | polymerase (RNA) II (DNA directed)<br>polypeptide H (POLR2H), mRNA<br>/cds=(88,540) /gb=NM_006232<br>/gi=14589952 /ug=Hs.432574 /len=821   | NM_006232                | Hs.432574                   | NP_006223                   |
| 11962 | 0.038054 | aquaporin 3 (AQP3), mRNA<br>/cds=(63,941) /gb=NM_004925<br>/gi=22165421 /ug=Hs.234642 /len=1835  | NM_004925                | Hs.234642                   | NP_004916                   |

| Spot     | p-valu   | Description                                    | Gene        | Unigene    | Protein    |
|----------|----------|--|-------------|------------|------------|
| - 55     |          |  | Accession   | Accession  | Accession  |
|          |          |  | No.         | No.        | No.        |
| 11968    | 0.025072 | likely ortholog of mouse Mak3p (S.             | NM_025146   | Hs.288932  | NP 079422  |
|          | 1        | cerevisiae) (MAK3P), mRNA                      |             |            |            |
|          | 8        | /cds=(301,810) /gb=NM_025146                   |             |            |            |
|          | +        | /gi=13376734 /ug=Hs.288932 /len=3576           |             |            |            |
|          |          | /g. 1007010174g 110.2000271011 0010            | _           |            |            |
| 12005    | 0.04638  | EST(no44e03.s1 NCI CGAP Pr23                   | AA622352    |            |            |
|          |          | cDNA clone IMAGE:1103548)                      |             |            |            |
| 12064    | 0.012669 | oq82d05.x5 NCI_CGAP_Kid6 cDNA                  | AI733421    | Hs.337206  | *          |
|          |          | clone IMAGE:1592841 3', mRNA                   |             |            |            |
| <b>)</b> |          | sequence /clone=IMAGE:1592841                  |             |            |            |
|          |          | /clone_end=3' /gb=AI733421                     |             | ·          |            |
|          | X-       | /gi=5054534 /ug=Hs.337206 /len=508             |             |            |            |
| 12067    | 0.012669 | UI-H-ED1-axq-o-07-0-UI.s1                      | CA445564    | Hs.243319  |            |
| 12007    | 0.012000 | NCI_CGAP_ED1 cDNA clone UI-H-ED1-              | 0/(440004   | 113.240010 |            |
|          | * * .    | axq-o-07-0-UI 3', mRNA sequence                |             |            |            |
|          |          | /clone=UI-H-ED1-axq-o-07-0-UI                  |             |            |            |
| ٠, ١     |          | /clone_end=3' /gb=CA445564                     | *           | -          |            |
|          |          | /gi=24809984 /ug=Hs.243319 /len=539            |             | . "        |            |
|          |          | /gi=24009904 /dg=i is.2433 i 9 /ieii=339  <br> |             |            |            |
| 12077    | 0.024270 | QV0-LT0015-180200-127-c04 LT0015)              | AW835461    |            | NP 006241  |
| 12147    |          |  |             |            | NP_006241  |
| 12 147   | 0.020126 | cDNA sequence(cDNA sequence                    | AL050376    |            |            |
|          |          | DKFZp586J101 (from clone cDNA                  |             | ٠.         |            |
| 10176    | 0.020054 | sequence DKFZp586J101))                        | NINA 400474 | LIS OCECO  | ND 572402  |
| 12176    | 0.038054 | engulfment and cell motility 2 (ced-12 C.      | NIVI_133171 | Hs.96560   | NP_573403  |
|          |          | elegans) (ELMO2), transcript variant 1,        |             |            |            |
| j        |          | mRNA /cds=(141,2303)                           | ) ÷         |            | J          |
|          |          | /gb=NM_133171 /gi=19718768                     |             | " .        |            |
| 40407    | 0.004000 | /ug=Hs.96560 /len=3630                         | NA 040000   | 11- 22220  | ND 004450  |
| 12187    | 0.031002 | myeloid/lymphoid or mixed-lineage              | NM_018682   | Hs.333300  | NP_061152  |
| , .      |          | leukemia 5 (trithorax Drosophila)              |             |            |            |
|          |          | (MLL5), mRNA /cds=(202,5778)                   |             |            |            |
|          |          | /gb=NM_018682 /gi=23503326                     |             |            |            |
| 10100    | 0.044000 | /ug=Hs.333300 /len=6543                        | NIA 000770  | 11 04000   | ND 070040  |
| 12190    | U.U11228 | oxysterol binding protein-like 11              | NM_022776   | Hs.61260   | NP_073613  |
|          |          | (OSBPL11), mRNA /cds=(306,2549)                |             | . ^        |            |
|          |          | /gb=NM_022776 /gi=23111058                     |             |            | ĺ          |
| 1000     | 0.010000 | /ug=Hs.61260 /len=4206                         | 5-000       |            |            |
| 12201    | 0.012669 | EST (Soares placenta Nb2HP                     | R76686      |            |            |
| 10000    | 0.001077 | IMAGE:143740 3')                               | Nu. 040450  | 11. 75:5   | NID OCCUPA |
| 12202    | 0.034378 | F-box and leucine-rich repeat protein 3A       | NM_012158   | Hs.7540    | NP_036290  |
| ].       | /        | (FBXL3A), mRNA /cds=(298,1584)                 | ] .         |            |            |
|          |          | /gb=NM_012158 /gi=16306583                     |             |            |            |
|          |          | /ug=Hs.7540 /len=3489                          | *******     |            |            |
| 12231    | 0.042048 | EST (UI-H-BI3-akf-b-05-0-UI.s1                 | AW449060    |            | NP_061174  |
|          |          | NCI_CGAP_Sub5 clone                            | 1           |            |            |
|          | -        | IMAGE:2734017 3')                              |             |            | -          |
| 12233    | 0.042048 | chemokine-like factor super family 3           | NM_144601   | Hs.7773    | NP_653202  |
| l .      |          | (CKLFSF3), mRNA /cds=(527,1075)                |             |            | ĺ          |
| l        | 1        | /gb=NM_144601 /gi=21389400                     |             |            | 1          |
| I        |          | /ug=Hs.7773 /len=2318                          |             |            |            |

| Spot  | p-value    | Description                            | Gene<br>Accession                       | Unigene<br>Accession | Protein<br>Accession |
|-------|------------|--|---|----------------------|----------------------|
| 40007 | 0.040004   | FOT (CODADE ADEE A NULL MCC. 75        | <b>No.</b><br>BG433151                  | No.                  | No.                  |
| 12237 | 0.016031   | EST (602496405F1 NIH_MGC_75            | DG433131                                |                      |                      |
| 40000 | 0.000400   | clone IMAGE:4610376 5')                | NINA - 470 474                          | Un 270200            | ND 775740            |
| 12238 | 0.020126   | hypothetical protein LOC115286         | NM_173471                               | Hs.379386            | NP_775742            |
|       |            | (LOC115286), mRNA /cds=(189,740)       |   | ٠.                   |                      |
|       |            | /gb=NM_173471 /gi=27735034             | *                                       |                      | 8                    |
| 40040 | 0.044005   | /ug=Hs.379386 /len=1873                | DE000057                                | 11- 204005           |                      |
| 12249 | 0:041895   | 7q24c01.x1 NCI_CGAP_GC6 cDNA           | BF222857                                | Hs.331205            |                      |
|       |            | clone IMAGE:3699073 3', mRNA           | ¥ .                                     |                      |                      |
|       |            | sequence /clone=IMAGE:3699073          |   |                      |                      |
| -8-   |            | /clone_end=3' /gb=BF222857             |   |                      | İ                    |
|       |            | /gi=11130034 /ug=Hs.331205 /len=503    |   |                      | ,                    |
| 12262 | 0.031003   | EST (IL3-ET0114-281000-318-C11         | BF870398                                |                      | NP_037364            |
| 12202 | 0.031002   | ET0114)                                | DI-070390                               | A                    | INF_037304           |
| 12264 | 0.04638    | clone IMAGE:3909104, mRNA              | BC015719                                | Hs.8852              |                      |
| 12204 | 0.04030    | /gb=BC015719 /gi=16041698              | DC013/13.                               | 1 15.0002            |                      |
| · .   | 1          | /ug=Hs.8852 /len=3169                  |   |                      |                      |
| 12266 | 0.022485   | DC2 protein (DC2), mRNA                | NM 021227                               | Hs.103180            | NP 067050            |
| 12200 | 0.022403   | /cds=(60,509) /gb=NM_021227            | 14141_02 1221                           | 115.105160           | 147_007050           |
|       | *          | /gi=24308270 /ug=Hs 103180 /len=1090   | 0.00                                    | · .                  |                      |
|       | <b>,</b> . | /gi-243002/0/ug-ris.103100/lefi=1090   |   | **                   |                      |
| 12268 | 0.027906   | EST (ys15b03.r1 Soares fetal liver     | H74096                                  |                      |                      |
|       |            | spleen IMAGE:214829 5')                |   |                      |                      |
| 12275 | 0.027906   | EST(601885028F1 NIH_MGC_57 cDNA        | BF218874                                | 7                    | NP 003109            |
| :     |            | clone IMAGE:4103479 5')                | , _ , , , , , , , , , , , , , , , , , , |                      |                      |
| 12294 | 0.034378   | EST(7e58a12.x1                         | BE644843                                |                      | NP 006845            |
|       |            | Soares_NSF_F8_9W_OT_PA_P_S1            | -                                       |                      | T .                  |
|       | *          | cDNA clone IMAGE:3286654 3')           | *                                       | -                    |                      |
| 12301 | 0.027906   | UI-H-EZ1-bbc-h-11-0-UI.s1              | BQ574842 ~                              | Hs.235026            |                      |
|       |            | NCI CGAP Ch2 cDNA clone UI-H-EZ1-      | *                                       |                      | · ·                  |
|       |            | bbc-h-11-0-UI 3', mRNA sequence        |   |                      |                      |
|       |            | /clone=UI-H-EZ1-bbc-h-11-0-UI          | ·                                       |                      |                      |
|       |            | /clone end=3' /gb=BQ574842             |   |                      |                      |
|       |            | /gi=21478159 /ug=Hs.235026 /len=1065   | - (1)                                   |                      |                      |
|       |            |  |   |                      |                      |
| 12309 | 0.020126   | junctional adhesion molecule 3 (JAM3), | NM_032801                               | Hs.334703            | NP_116190            |
| 1     |            | mRNA /cds=(25,1092) /gb=NM_032801      | _                                       |                      | -                    |
| - 1   | 1 1        | /gi=21704285 /ug=Hs.334703 /len=3675   |   | 0.0                  |                      |
|       | -          |  |   |                      | *                    |
| 12327 | 0.022485   | wr27c02.x1 NCI_CGAP_Pr28 cDNA          | AI971263                                | Hs.166959            |                      |
|       |            | clone IMAGE:2488898 3' similar to      |   | - "                  |                      |
| [     |            | WP:F31E8.2 CE02711 SNT-1:              | **                                      |                      | -                    |
|       | 34<br>4    | SYNAPTOTAGMIN;, mRNA sequence          |   | ] ,                  | -                    |
|       |            | /clone=IMAGE:2488898 /clone_end=3'     | *                                       | /                    |                      |
|       | 1          | /gb=Al971263 /gi=5768089               | . *                                     | *                    |                      |
| 1     |            | /ug=Hs.166959 /len=747                 |   |                      | ]                    |

| Spot     | p-value                                 | Description   | Gen              | Unigene       | Protein       |
|----------|---|---|------------------|---------------|---------------|
|          | i,                                      | *   | Accession<br>No. | Accession No. | Accession No. |
| 12339    | 0.029136                                | collagen, type III, alpha 1 (Ehlers-                                    | NM 000090        | Hs.119571     | NP 000081     |
|          | 11.5                                    | Danios syndrome type IV, autosomal                                      |                  |               |               |
| - S-     |   | dominant) (COL3A1), mRNA  |                  |               |               |
| . 1      |   | /cds=(118,4518) /gb=NM_000090   |                  |               | . "           |
|          |   | /gi=15149480 /ug=Hs.119571 /len=5489                                    | ٠.               |               |               |
|          |   | <u> </u>  |                  |               |               |
| 12345    | 0.04638                                 | ESTs, cDNA, 3' end  | BG236123         | Hs.127325     | NP_009173     |
|          |   | /clone=IMAGE:4141713 /clone_end=3'                                      |                  |               |               |
|          |   | /gb=BG236123 /gi=12749970   |                  |               |               |
| 10070    | 0.000.405                               | /ug=Hs.127325 /len=489  | AL 457500        | 11- 07550     |               |
| 12370    | 0.022485                                | mRNA; cDNA DKFZp586N2424 (from  | AL157503         | Hs.27552      | ÷             |
|          |   | clone DKFZp586N2424) /gb=AL157503<br>/gi=7018553 /ug=Hs.27552 /len=2220 |                  |               |               |
| <u>.</u> |   | /gi=70103337ug=11s.273327len=2220                                       |                  |               | . 1           |
| 12384    | 0.012669                                | FLJ31039 fis, clone HSYRA2000221  | AK055601         | Hs.311977     |               |
|          | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | /cds=UNKNOWN /gb=AK055601   |                  |               | ·             |
|          |   | /gi=16550371 /ug=Hs.311977 /len=2770                                    |                  | *             |               |
|          |   |   |                  | and the       | h. • I        |
| 12404    | 0.035996                                | clone IMAGE:5301545, mRNA   | BC041951         | Hs.177781     |               |
| ·        |   | /gb=BC041951 /gi=27469737   | *                | * .           |               |
|          |   | /ug=Hs.177781 /len=2155   |                  |               |               |
| 12408    | 0.048742                                | cDNA MR1-FN0010-290700-007-g10  | BE834948         |               | NP_803133     |
|          |   | FN0010 (=AC099562.1  Homo sapiens                                       | ,                |               |               |
| j        |   | chromosome 1 clone RP11-213P13,   |                  |               | ]             |
|          |   | WORKING DRAFT SEQUENCE, 3 unordered pieces)                             |                  |               |               |
| 12413    | 0.020126                                | cDNA FLJ14244 fis, clone  | AK024306         | Hs.397378     |               |
| 12410    | 0.020120                                | OVARC1000802. /gb=AK024306  | 711102-1000      | 110.007070    |               |
| 1 ' ;    |   | /gi=10436654 /ug=Hs.397378 /len=1889                                    |                  |               |               |
|          |   | 3   |                  |               |               |
| 12418    | 0.048742                                | yw19d08.r1 Morton Fetal Cochlea cDNA                                    | H87947           | Hs.188912     |               |
|          |   | clone IMAGE:252687 5', mRNA   |                  |               | *             |
|          | :                                       | sequence /clone=IMAGE:252687  |                  |               |               |
|          |   | /clone_end=5' /gb=H87947 /gi=1069526                                    |                  |               |               |
| 10100    | 0.010500                                | /ug=Hs.188912 /len=411  | i (000000        |               | 1 200         |
| 12438    | 0.016598                                | AV686223 GKC cDNA clone   | AV686223         | Hs.221642     |               |
|          |   | GKCGXH11 5', mRNA sequence  |                  |               |               |
|          | . ·                                     | /clone=GKCGXH11 /clone_end=5'-<br>/gb=AV686223 /gi=10288086             |                  |               | ]             |
| 1        | 1                                       | /ug=Hs.221642 /len=916  |                  |               |               |
| 12473    | 0.042048                                | xc09d01.x1 NCI_CGAP_Co21 cDNA   | AW083503         | Hs.311987     |               |
|          |   | clone IMAGE:2583745 3' similar to                                       |                  |               | Θ             |
| ]        | }                                       | contains MER14.t2 MER14 repetitive                                      |                  | }             | <u> </u>      |
|          |   | element ;, mRNA sequence  | ٠                | -             |               |
|          |   | /clone=IMAGE:2583745 /clone_end=3'                                      |                  |               | *             |
|          |   | /gb=AW083503 /gi=6038579  | **               |               |               |
| <u> </u> |   | /ug=Hs.311987 /len=510  | <u>L</u>         |               | <u> </u>      |

| Spot       | p-value           | Description   | Gen          | Unigene     | Protein     |
|------------|-------------------|---|--------------|-------------|-------------|
| <b>VPC</b> | b raido           | 2000 pilon  | Accession    | Accession   | Accession   |
|            |                   |   | No.          | No.         | No.         |
| 12519      | 0.04638           | EST(cDNA clone IMAGE:1637714 3'                         | AI000800     | 110.        |             |
| - *        |                   | similar to contains Alu repetitive                      | i            | - 1         |             |
|            |                   | element; contains L1.t1 L1 repetitive                   |              |             | *           |
| ,          | · · · · ·         | element;)   |              |             | ·           |
| 12550      | 0.025072          | clone IMAGE:5019705, mRNA                               | BC021287     | Hs.184544   |             |
|            | * .               | /gb=BC021287 /gi=18204277                               |              | 77          |             |
|            |                   | /ug=Hs.184544 /len=2121                                 | _            |             | ,           |
| 12555      | 0.022485          | ESTs, cDNA, 5' end                                      | BG698090     | Hs.12876    |             |
|            | * •               | /clone=IMAGE:4802969 /clone_end=5'                      | •            | ·           |             |
|            |                   | /gb=BG698090 /gi=13965026                               | ŧ            |             |             |
|            |                   | /ug=Hs.12876 /len=985                                   | *            |             |             |
|            |                   | No significant match                                    | SEQ.ID.No.34 |             |             |
| 12581      | 0.048742          | no significant match, ORF+3(108~209)                    |              |             |             |
|            |                   |   | SEQ.ID.No.40 |             |             |
| 12582      |                   | No significant match                                    | SEQ.ID.No.47 |             |             |
| 12644      | 0.005206          | EST (RC0-HT0297-301099-011-a06                          | BE151529     |             |             |
|            | Crossereit, onlic | HT0297)   |              |             |             |
| 12647      | 0.034378          | EST(tm39b03.x1 NCI_CGAP_Kid11                           | Al478484     |             |             |
| ·          |                   | clone IMAGE:2160461 3' contains L1.b3                   |              | . *         |             |
|            | 2 2 12 2 12       | L1 repeat) (  |              |             | ,           |
| 12668      | 0.042048          | hypothetical protein FLJ13110                           | NM_022912    | Hs.7358     | NP_075063   |
|            |                   | (FLJ13110), mRNA /cds=(145,750)                         |              |             | *           |
|            |                   | /gb=NM_022912 /gi=12597656                              |              |             |             |
| 40000      | 0.040004          | /ug=Hs.7358 /len=3856                                   | NIN 450005   | 11. 0.4400  | ND 000500   |
| 12669      | 0.016031          | hypothetical protein FLJ31438                           | NM_152385    | Hs.24423    | NP_689598   |
|            |                   | (FLJ31438), mRNA /cds=(347,2107)                        |              |             |             |
|            |                   | /gb=NM_152385 /gi=22748824                              | ž.           |             |             |
| 12677      | 0.049640          | /ug=Hs 24423 /len=2266<br>hypothetical protein MGC12981 | NM 032357    | Hs.104203   | NP 115733   |
| 12077      | 0.010049          | (MGC12981), mRNA /cds=(225,767)                         | INIVI_U32337 | IDS. 104203 | NP_1 157.55 |
|            |                   | /gb=NM 032357 /gi=21362049                              |              |             | *           |
|            |                   | /ug=Hs.104203 /len=1644                                 |              |             |             |
| 12687      | 0.031002          | wr41b04.x1 NCI_CGAP_Pr28 cDNA                           | Al972618     | Hs.370369   |             |
| 12007      | 0.031002          | clone IMAGE:2490223 3', mRNA                            | 71372010     | 113.370303  | ·           |
| l          |                   | sequence /clone=IMAGE:2490223                           |              | -           | ٠.          |
|            | 5                 | /clone_end=3' /gb=Al972618                              |              |             |             |
|            |                   | /gi=5769444 /ug=Hs.370369 /len=225                      |              |             |             |
| 12711      | 0.005206          | EST(ne80b06.s1 NCI_CGAP_Ew1                             | AA491607     | APP IN THE  | 10.0        |
| : : '      |                   | cDNA clone IMAGE:910547)                                |              | 9           | -           |
| 12712      | 0.025072          | EST(xg51d02.x1 NCI_CGAP_Ut4 cDNA                        | AW150422     |             |             |
|            |                   | clone IMAGE:2631843 3' similar to                       |              |             | -)(-        |
|            |                   | contains Alu repetitive element)                        |              |             |             |
| 12721      | 0.031002          | EST (wg23f05.x1   | AI740626     | ,           |             |
|            |                   | Soares_NSF_F8_9W_OT_PA_P_S1                             |              | * 0         |             |
|            |                   | cDNA clone IMAGE:2365953 3'                             |              |             |             |

| Spot     | p-value  | Description  | Gene        | Unigene                               | Protein                               |
|----------|----------|--|-------------|---------------------------------------|---------------------------------------|
|          |          |  | Accession   | Accession                             | Accession                             |
|          |          |  | No.         | No.                                   | No.                                   |
| 12762    | 0.022485 | wd19h11.x1 Soares_NFL_T_GBC_S1   | Al674745    | Hs.377373                             |                                       |
|          | *        | cDNA clone IMAGE:2328645 3', mRNA  | *           | ~                                     |                                       |
| 9        |          | sequence /clone=IMAGE:2328645  | ***         |                                       |                                       |
| ,        |          | /clone_end=3' /gb=Al674745   |             | Y .                                   | · .                                   |
|          |          | /gi=4875225 /ug=Hs.377373 /len=347                                       |             |                                       |                                       |
|          |          | *  |             |                                       | -                                     |
| 12767    | 0.025072 | EST (602326911F1 NIH MGC 91  | BG036175    | · · · · · · · · · · · · · · · · · · · | -                                     |
|          |          | IMAGE:4428291 5')  |             |                                       | 0                                     |
| 12782    | 0.025072 | EST (CM3-LT0042-271299-060-c05   | AW837690    |                                       |                                       |
|          |          | LT0042 cDNA)   | *           | _                                     |                                       |
| 12822    | 0.034378 | yu41a04.y5 Soares ovary tumor NbHOT                                      | Al820819    | Hs.193116                             |                                       |
|          |          | cDNA clone IMAGE:236334 5' similar to                                    | F           |                                       |                                       |
|          |          | contains Alu repetitive element;, mRNA                                   |             |                                       |                                       |
| · · ·    |          | sequence /clone=IMAGE:236334   |             |                                       | }                                     |
|          |          | /clone_end=5' /gb=Al820819   | 7. v        |                                       |                                       |
|          |          | /gi=5439898 /ug=Hs.193116 /len=567                                       |             |                                       |                                       |
|          |          |  |             | <u> </u>                              |                                       |
| 12824    | 0.004545 | ubiquitin-conjugating enzyme E2G 1                                       | NM_003342   | Hs.78563                              | NP_003333                             |
|          |          | (UBC7 C. elegans) (UBE2G1), mRNA   |             |                                       |                                       |
|          | *        | /cds=(167,679) /gb=NM_003342   |             |                                       | 101                                   |
|          | ١.,      | /gi=21314607 /ug=Hs.78563 /len=2430                                      |             |                                       |                                       |
|          |          |  |             |                                       |                                       |
| 12855    | 0.01798  | UI-E-EJ0-aik-i-20-0-UI.r1 UI-E-EJ0                                       | BM727413    | Hs.112619                             |                                       |
|          |          | cDNA clone UI-E-EJ0-aik-i-20-0-UI 5',                                    |             |                                       |                                       |
|          |          | mRNA sequence /clone=UI-E-EJ0-aik-i-                                     |             |                                       |                                       |
| .5       | *        | 20-0-UI /clone_end=5' /gb=BM727413                                       |             | -                                     |                                       |
| ,        |          | /gi=19048746 /ug=Hs.112619 /len=1667                                     |             |                                       |                                       |
| 40004    | 0.004070 | DNA 51 105070 5  | 414000740   |                                       |                                       |
| 12861    | 0.034378 | cDNA FLJ25876 fis, clone CBR02529.                                       | AK098742    | Hs.375841                             |                                       |
|          | ·        | /gb=AK098742 /gi=21758849  |             | •                                     |                                       |
| 12875    | 0.030054 | /ug=Hs.375841 /len=1877  | AE420040    | 115 6260                              |                                       |
| 120/3    | 0.038054 | clone FLB3344 PRO0845 mRNA,  | AF130048    | Hs.6390                               | Ŧ,                                    |
|          | . ÷      | complete cds /gb=AF130048  | ·<br>·      | *                                     | (3)                                   |
| 12881    | 0.016031 | /gi=11493402 /ug=Hs.6390 /len=2171<br>UI-E-CK1-abp-g-01-0-UI.s1 UI-E-CK1 | BM661590    | Hs.229338                             |                                       |
| 14001    | 0.010031 | cDNA clone UI-E-CK1-abp-g-01-0-UI 3',                                    | 109U        | FIS.229330                            | . ***                                 |
|          |          | mRNA sequence /clone=UI-E-CK1-abp-                                       |             |                                       |                                       |
|          |          | g-01-0-UI /clone_end=3' /gb=BM661590                                     | ν           |                                       |                                       |
|          |          | /gi=18965457 /ug=Hs.229338 /len=1447                                     | *           |                                       | · · · · · · · · · · · · · · · · · · · |
| <u> </u> |          | /gr <sub> </sub> 10000 <del>401</del> /ug=113.22 <i>8</i> 000 /left=1447 |             |                                       |                                       |
| 12957    | 0.025072 | xj85e09.x1 Soares_NFL_T_GBC_S1   | AW173284    | Hs.370871                             |                                       |
| ,_40,    | 0.020072 | cDNA clone IMAGE:2664040 3', mRNA  | 144110204   | 1,10.070071                           |                                       |
|          |          | sequence /clone=IMAGE:2664040  | w.          | 2                                     |                                       |
|          | 0        | /clone_end=3' /gb=AW173284   | ,           |                                       |                                       |
| *        |          | /gi=6439232 /ug=Hs.370871 /len=548                                       |             | ٠.                                    |                                       |
|          |          |  |             |                                       |                                       |
|          | <u> </u> |  | <del></del> | <u> </u>                              | L                                     |

| Spot  | p-valu      | Description                              | Gene<br>Accession<br>No.              | Unigene<br>Accession<br>No.           | Protein<br>Accession<br>No. |
|-------|-------------|--|---------------------------------------|---------------------------------------|-----------------------------|
| 12965 | 0.014265    | UI-H-ED1-axy-n-13-0-UI.s1                | BQ009853                              | Hs.438790                             | 141                         |
|       |             | NCI_CGAP_ED1 cDNA clone                  |                                       | Ž                                     | * -                         |
|       | ;           | IMAGE:5835468 3', mRNA sequence          | · · · · · · · · · · · · · · · · · · · |                                       | _:                          |
|       |             | /clone=IMAGE:5835468 /clone_end=3'       |                                       |                                       | , x ·                       |
| ·     |             | /gb=BQ009853 /gi=19734754                | <i>:</i>                              |                                       |                             |
|       |             | /ug=Hs.438790 /len=1069                  |                                       |                                       |                             |
| 13003 |             | BX108813 Soares retina N2b4HR cDNA       | BX108813                              | Hs.144186                             |                             |
|       |             | clone IMAGp998E03436, mRNA               |                                       |                                       |                             |
| ·     |             | sequence                                 |                                       |                                       |                             |
|       |             | /clone=IMAGp998E03436_;_IMAGE:22         |                                       |                                       |                             |
| * . * | • .         | 0010 /gb=BX108813 /gi=27877460           | 0                                     | ***                                   |                             |
|       | - )(-       | /ug=Hs.144186 /len=668                   | .:                                    |                                       | 0.50                        |
| 13040 | 0.008765    | UI-E-EJ1-aji-d-10-0-UI.s1 UI-E-EJ1       | BM684333                              | Hs.17910                              |                             |
|       | 0.000700    | cDNA clone UI-E-EJ1-aji-d-10-0-UI 3',    | DIVIOU+333                            | 113.17310                             | -                           |
|       | 7 · · · · · | mRNA sequence /clone=UI-E-EJ1-aji-d-     |                                       | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 4                           |
|       | . ,         | 10-0-UI /clone_end=3' /gb=BM684333       |                                       | . * ()                                | ÷.                          |
| 57. 7 |             | /gi=18994229 /ug=Hs.17910 /len=1036      |                                       | *                                     |                             |
|       | 0           | /gi=10994229 /ug=ns.1/910 /leii=1036     |                                       |                                       |                             |
| 12047 | 0.038054    | novol                                    | SEQ.ID.No.30                          | m ·                                   |                             |
|       |             |  |                                       |                                       | \$                          |
| 13009 | 0.031002    | EST(PM1-HT0422-160300-009-a12            | BE160886                              |                                       |                             |
|       |             | HT0422 Homo sapiens cDNA, MRNA           | . 0                                   |                                       |                             |
| 12076 | 0.044065    | sequence)                                | 010/400444                            | 11. 400500                            |                             |
| 13076 | 0.014265    | UI-H-BI1-abw-h-07-0-UI s1                | AW138111                              | Hs.436560                             |                             |
|       |             | NCI_CGAP_Sub3 cDNA clone                 |                                       |                                       |                             |
|       |             | IMAGE:2713572 3', mRNA sequence          |                                       | :                                     | .                           |
|       |             | /clone=IMAGE:2713572 /clone_end=3'       |                                       |                                       | 1 .                         |
|       | *           | /gb=AW138111 /gi=6142429                 |                                       |                                       |                             |
|       |             | /ug=Hs.436560 /len=800                   |                                       |                                       |                             |
|       |             | No significant match, ORF-1(155~328)     | SEQ.ID.No.81                          |                                       |                             |
| 13139 | 0.027906    | chromosome 1 open reading frame 8        | NM_004872                             | Hs.416495                             | NP_004863                   |
|       | -           | (C1orf8), mRNA /cds=(251,1222)           |                                       | ·                                     |                             |
|       | *           | /gb=NM_004872 /gi=27545320               |                                       |                                       | .i                          |
|       | ,           | /ug=Hs.416495 /len=1709                  |                                       | -                                     |                             |
| 13170 | 0.011228    | nucleolar protein family 6 (RNA-         | NM_022917                             | Hs.183253                             | NP_631981                   |
|       |             | associated) (NOL6), transcript variant   |                                       |                                       |                             |
|       | *           | alpha, mRNA /cds=(61,3501)               | 0                                     |                                       |                             |
| 2     |             | /gb=NM_022917 /gi=22212928               | 9                                     |                                       | :                           |
|       |             | /ug=Hs.183253 /len=4854                  |                                       |                                       |                             |
| 13197 | 0.032415    | similar to rat nuclear ubiquitous casein | NM_022731                             | Hs.118064                             | NP_073568                   |
|       |             | kinase 2 (NUCKS), mRNA                   |                                       |                                       |                             |
|       |             | /cds=(67,558) /gb=NM_022731              | * =                                   | - 10                                  |                             |
|       |             | /gi=12232386 /ug=Hs.118064 /len=1811     |                                       | `                                     | ,                           |
|       |             |  |                                       |                                       | * * *                       |
| 13212 | 0.026138    | hypothetical protein FLJ20060            | NM_017645                             | Hs.54617                              | NP_060115                   |
|       | ,           | (FLJ20060), mRNA /cds=(72,2078)          | _ ·                                   |                                       | _                           |
| • *   |             | /gb=NM_017645 /gi=24431978               | *                                     |                                       |                             |
|       |             | /ug=Hs.54617 /len=2884                   | •                                     |                                       |                             |

| Spot   | p-value    | Description  | Gene       | Unigene                                 | Protein                   |
|--------|------------|--|------------|---|---------------------------|
| ·      |            |  | Accession  | Accession                               | Accession                 |
|        | -          |  | No.        | No.                                     | No.                       |
| 13237  | 0.042048   | KIAA0635 gene product (KIAA0635),                              | NM_014645  | Hs.185091                               | NP_055460                 |
|        |            | mRNA /cds=(833,3373)   |            |   | •                         |
|        |            | /gb=NM_014645 /gi=7662215                                      |            |   |                           |
|        | •          | /ug=Hs.185091 /len=5138  |            |   | <u></u>                   |
| 13274  | 0.031002   | TAF7 RNA polymerase II, TATA box                               | NM_005642  | Hs.155188                               | NP_005633                 |
|        |            | binding protein (TBP)-associated factor,                       | •          | • • •                                   |                           |
|        |            | 55kDa (TAF7), mRNA /cds=(741,1790)                             |            | **                                      |                           |
|        |            | /gb=NM_005642 /gi=14717406                                     | (X-1)      |   |                           |
|        |            | /ug=Hs.155188 /len=2310  |            |   |                           |
|        |            | <del> </del>   | 1          |   |                           |
| 13278  | 0.008765   | 601660815R1 NIH_MGC_72 cDNA                                    | BE966810   | Hs.336116                               |                           |
|        |            | clone IMAGE:3915843 3', mRNA                                   |            |   |                           |
| +      |            | sequence /clone=IMAGE:3915843                                  |            |   |                           |
| *      |            | /clone_end=3' /gb=BE966810                                     |            |   |                           |
|        |            | /gi=11772610 /ug=Hs.336116 /len=730                            | ·          |   |                           |
| 10000  | 0.00700    | <u></u>  |            |   |                           |
| 13283  | 0.02729    | SEC24 related gene family, member D                            | NM_014822  | Hs.19822                                | NP_055637                 |
|        |            | (S. cerevisiae) (SEC24D), mRNA                                 | 4          |   |                           |
| ·      |            | /cds=(201,3299) /gb=NM_014822                                  | . •        |   |                           |
| 10000  |            | /gi=7662658 /ug=Hs.19822 /len=3988                             |            |   | · · · · · · · · · · · · · |
| 13303  | 0.012669   | xf50g03.x1 NCI_CGAP_Gas4,cDNA                                  | AW130421   | Hs.329722                               |                           |
| -×-    |            | clone IMAGE:2621524 3' similar to                              | •          |   |                           |
|        |            | contains element MER4 repetitive                               | *          |   | 10.                       |
| ÷      |            | element ;, mRNA sequence                                       | *          |   | ¥1.                       |
|        |            | /clone=IMAGE:2621524 /clone_end=3'                             |            | • | v+ ,                      |
|        |            | /gb=AW130421 /gi=6132026                                       |            |   |                           |
| 13317  | 0.020054   | /ug=Hs.329722 /len=719<br>Mannosidase, alpha, class 1A, member | AV024500   | Hs.25253                                | NP 005898                 |
| 133,17 | 0.030034   | 1, cDNA: FLJ20935 fis, clone                                   | ANU24300   | ιπξ.Ζυζυς                               | NF_009696                 |
|        | •          | ADSE01534 (AK024588.1)   |            |   |                           |
| 13335  | 0.031002   | hypothetical protein FLJ12118                                  | NM 024537  | Hs.381043                               | NP_078813                 |
| 13333  | 0.031002   | (FLJ12118), mRNA /cds=(24,1718)                                | [NN_024337 | 115.501045                              | NF_070013                 |
|        | 0          | /gb=NM_024537 /gi=13375694                                     | • 7        |   |                           |
|        | \$ · · · . | /ug=Hs.381043 /len=1843  |            |   | 0                         |
| 13336  | 0.031002   | EST388184 MAGE resequences,                                    | AW976075   | Hs.401959                               | 7                         |
| ,10000 | 0.001002   | MAGN cDNA, mRNA sequence                                       | 7.0070     | 113.401333                              |                           |
| 34     |            | /gb=AW976075 /gi=8167298                                       |            | 2.3                                     | 8.,                       |
|        | 7          | /ug=Hs.401959 /len=698   | 1.44       | ,                                       |                           |
| 13341  | 0.04638    | leucine aminopeptidase 3 (LAP3),                               | NM_015907  | Hs.182579                               | NP_056991                 |
| 10041  | 0.04000    | mRNA /cds=(187,1746)   | 1,40,0001  | 110.102010                              |                           |
|        |            | /gb=NM 015907 /gi=7705687                                      | P +        |   |                           |
|        | 0.00       | /ug=Hs.182579 /len=2147  |            |   | · '                       |
| 13347  | 0.042048   | general transcription factor IIB (GTF2B),                      | NM 001514  | Hs.258561                               | NP_001505                 |
|        | 5.5.25.6   | mRNA /cds=(39,989) /gb=NM_001514                               |            |   |                           |
| -10    |            | /gi=13435384 /ug=Hs.258561 /len=1268                           | <u> </u>   |   |                           |
|        |            |  | ,*         |   |                           |
| 13348  | 0.01798    | hypothetical protein FLJ14153                                  | NM_022736  | Hs:7503                                 | NP 073573                 |
|        |            | (FLJ14153), mRNA /cds=(31,1428)                                |            | 1                                       |                           |
|        | *          | /gb=NM_022736 /gi=12232392                                     |            | E                                       |                           |
|        |            |  |            |   | -                         |

| Spot   | p-value  | Description  | Gene                    | Unigene                 | Protein                 |
|--------|----------|--|-------------------------|-------------------------|-------------------------|
|        |          |  | Accession               | Accession               | Accession               |
| 13354  | 0.016031 | catenin, beta like 1 (CTNNBL1), mRNA                             | <b>No.</b><br>NM_030877 | <b>No.</b><br>Hs.178576 | <b>No.</b><br>NP 110517 |
| 10004  | 0.010031 | /cds=(95,1786) /gb=NM_030877                                     | 1,4101_030077           | ITS. 170070             | NF_110317               |
|        |          | /gi=18644733 /ug=Hs.178576 /len=1900                             | - <b>-</b>              |                         |                         |
|        | 9        | 791 100.147 00 749 113 17 00 70 Noti                             |                         | -                       | ·                       |
| 13355  | 0.042048 | mRNA; cDNA DKFZp313E1815 (from                                   | AL833098                | Hs.125031               | - 37 Hz                 |
|        |          | clone DKFZp313E1815) /gb=AL833098                                |                         |                         |                         |
|        | 0        | /gi=21733689 /ug=Hs.125031 /len=1937                             |                         | ĺ                       | -8-                     |
|        | Ť .      |  |                         | ,                       |                         |
| 13366  | 0.014265 | hypothetical protein DKFZp434I1916                               | NM_032245               | Hs.334641               | NP_115621               |
|        |          | (DKFZp434I1916), mRNA  | •                       |                         | 4                       |
|        |          | /cds=(144,563) /gb=NM_032245                                     | *                       |                         | 2.7                     |
|        |          | /gi=14149959 /ug=Hs.334641 /len=800                              | ş •                     | 1 (/a - 8               | ·                       |
| 13376  | 0.025072 | hypothetical protein FLJ20276                                    | NM 017738               | Hs.270502               | NP 060208               |
| 13370  | 0.923012 | (FLJ20276), mRNA /cds=(134,3388)                                 | 14M_011130              | 113.270002              | <br>                    |
| -      |          | /gb=NM 017738 /gi=8923250  |                         | . :                     |                         |
| × 1    |          | /ug=Hs.270502 /len=4790  |                         |                         |                         |
| 13379  | 0.031002 | patched related protein translocated in                          | NM 007218               | Hs.28285                | NP_009149               |
|        |          | renal cancer (TRC8), mRNA  |                         |                         | _                       |
| ·      | · '      | /cds=(215,2209) /gb=NM_007218                                    | =                       |                         |                         |
|        | ,        | /gi=21314653 /ug=Hs.28285 /len=2481                              |                         | **.)                    |                         |
|        |          |  |                         | `                       |                         |
| 13391  | 0.038054 |  | NM_018590               | Hs.180758               | NP_061060               |
| -      |          | (GALNACT-2), mRNA /cds=(336,1964)                                | E .                     |                         |                         |
|        |          | /gb=NM_018590 /gi=24429591                                       |                         |                         |                         |
| 12/4/4 | 0.005070 | /ug=Hs.180758 /len=3745  | NIM 040040              | 115 0000                | ND 000000               |
| 13441  | 0.025072 | hypothetical protein FLJ10769<br>(FLJ10769), mRNA /cds=(15,1187) | NM_018210               | Hs.8083                 | NP_060680               |
| . 4.   |          | /gb=NM 018210 /gi=8922653  |                         |                         | •                       |
|        |          | /ug=Hs.8083 /len=2659  |                         |                         |                         |
| 13477  | 0.032415 | cytoplasmic FMR1 interacting protein 1                           | NM_014608               | Hs.77257                | NP 055423               |
|        |          | (CYFIP1), mRNA /cds=(53,3814)                                    |                         | :                       |                         |
|        |          | /gb=NM_014608 /gi=24307968                                       |                         |                         |                         |
|        |          | /ug=Hs.77257 /len=4394   |                         | 0.,                     |                         |
| 13478  | 0.04638  | EST(xd92a04.x1   | AW117454                |                         | NP_073592               |
| - N    | 1        | Soares_NFL_T_GBC_S1 clone  |                         |                         |                         |
|        |          | IMAGE:2605038 3')  |                         | ,                       |                         |
| 13483  | 0.031002 | EST(oy85h03.x1   | AI038280                | -                       |                         |
| 1      |          | Soares_fetal_liver_spleen_1NFLS_S1                               | ·                       |                         |                         |
| 12405  | 0.04700  | clone IMAGE:1672661 3')  | DI ICANARA              | He 402266               |                         |
| 13485  | 0.017,98 | UI-H-FE1-bdt-o-02-0-UI s1  | BU630228                | Hs.402266               |                         |
|        |          | NCI_CGAP_FE1 cDNA clone UI-H-FE1-bdt-o-02-0-UI 3', mRNA sequence |                         | 9 -                     |                         |
|        |          | /clone=UI-H-FE1-bdt-o-02-0-UI                                    |                         |                         | •                       |
|        |          | /clone_end=3' /gb=BU630228                                       |                         | . 0                     | -                       |
|        |          | /gi=23296993 /ug=Hs.402266 /len=703                              | · ·                     |                         | ·                       |
|        |          |  |                         |                         |                         |

| Spot    | p-valu   | D scription                             | Gene      | Unigene     | Protein   |
|---------|----------|---|-----------|-------------|-----------|
|         |          |   | Accession | Accession   | Accession |
|         |          |   | No.       | No.         | No.       |
| 13486   | 0.04638  | catenin (cadherin-associated protein),  | NM_003798 | Hs.58488    | NP_003789 |
|         |          | alpha-like 1 (CTNNAL1), mRNA            |           |             |           |
| * -     |          | /cds=(44,2248) /gb=NM_003798            |           |             |           |
|         | •        | /gi=4503128 /ug=Hs.58488 /len=2446      |           |             |           |
| 13491   | 0.04638  | hypothetical protein MGC33602           | NM_152391 | Hs.274415   | NP_689604 |
|         |          | (MGC33602), mRNA /cds=(140,748)         |           |             |           |
|         |          | /gb=NM_152391 /gi=22748836              | •         |             |           |
| 5 0 4 1 |          | /ug=Hs.274415 /len=1790                 |           |             |           |
| 13514   | 0.027906 | cDNA FLJ39478 fis, clone                | AK096797  | Hs.372680   |           |
|         |          | PROST2013605. /gb=AK096797              | *         |             | *         |
| ,       |          | /gi=21756367 /ug=Hs.372680 /len=2507    | • • . • . | •           | -         |
|         |          |   |           |             |           |
| 13516   | 0.025072 | EST(qo47f09.x1 NCI_CGAP_Lu5 clone       | Al268689  |             |           |
| , "     | *        | IMAGE:1911689 3')                       |           |             | 140       |
| 13523   | 0.012669 | UI-H-DI0-auw-o-12-0-UI.s1               | BM997944  | Hs.444026   |           |
|         |          | NCI_CGAP_DI0 cDNA clone                 |           | *           |           |
|         |          | IMAGE:5875427 3', mRNA sequence         |           | 30          | 8         |
|         |          | /clone=IMAGE:5875427 /clone_end=3'      | ,         |             |           |
|         |          | /gb=BM997944 /gi=19722845               |           |             |           |
|         |          | /ug=Hs.444026 /len=753                  |           | ,           |           |
| 13545   | 0.044138 | yg03b02.s1 Soares infant brain 1NIB     | R42618    | Hs.12700    |           |
|         |          | cDNA clone IMAGE:30959 3', mRNA         |           |             |           |
| 9       |          | sequence /clone=IMAGE:30959             | -         |             |           |
|         |          | /clone_end=3' /gb=R42618 /gi=817379     |           | }           |           |
|         | '        | /ug=Hs.12700 /len=441                   | *         |             | 1         |
| 13550   | 0.038054 | cDNA FLJ39435 fis, clone                | AK096754  | Hs.376116   | · · ·     |
|         |          | PROST2004727. /gb=AK096754              |           | • •         |           |
|         | ,        | /gi=21756318 /ug=Hs.376116 /len=2450    | 7.        |             |           |
| -8-     |          | 3                                       | **        | ·           |           |
| 13558   | 0.022485 | DKFZP564O0823 protein                   | NM_015393 | Hs.105460   | NP 056208 |
|         |          | (DKFZP564O0823), mRNA                   |           |             |           |
|         |          | /cds=(171,905) /gb=NM_015393            | 9         |             | *         |
| ••      |          | /gi=7661631 /ug=Hs.105460 /len=2155     | •         | ,           | -1        |
|         |          |   | •         |             |           |
| 13560   | 0.031002 | EST (tz36f03.x1 NCI_CGAP_Ut2 cDNA       | A1783534  |             |           |
|         |          | clone IMAGE:2290685 3')                 |           |             |           |
| 13562   | 0.011228 | AGENCOURT 6653840                       | BM924828  | Hs.181174   |           |
|         |          | NIH_MGC_116 cDNA clone                  |           |             | •         |
|         |          | IMAGE:5761286 5', mRNA sequence         | 12        |             |           |
|         | 8        | /clone=IMAGE:5761286 /clone_end=5'      |           |             |           |
| · ·     |          | /gb=BM924828 /gi=19375207               |           |             | *         |
|         |          | /ug=Hs.181174 /len=1422                 |           | 100         |           |
| 13569   | 0.031002 | EST (tu41c10.x1 NCI_CGAP_Pr28           | AI686385  |             |           |
|         |          | cDNA clone IMAGE:2253618 3' similar     |           |             |           |
|         |          | to contains Alu repetitive element;)    |           |             |           |
| 13582   | 0.01798  | mRNA; cDNA DKFZp586M1819 (from          | AL834255  | Hs.355753   | NP 848934 |
| 10002   | 3,517,30 | clone DKFZp586M1819) /cds=(1,795)       |           | 1.75.000,00 | 1.15.1900 |
| 1       |          | [\$15.15 \$14 Epocon.1610] 1646 (1,100) | I         | 1           | 1         |
|         |          | /gb=AL834255 /gi=21739805               |           | 1           |           |

| Spot  | p-value  | Description                             | Gene        | Unigene                               | Protein    |
|-------|----------|---|-------------|---------------------------------------|------------|
| ]     |          |   | Accession   | Accession                             | Accession  |
|       |          | _**\*\                                  | No.         | No.                                   | No.        |
| 13598 | 0.025072 | PP3731 mRNA sequence                    | AF258562    | Hs.352231                             |            |
| 6.    |          | /cds=(1443,1751) /gb=AF258562           |             |                                       | ı.         |
|       | 1000     | /gi=10834669 /ug=Hs.352231 /len=1946    |             | · · · · · · · · · · · · · · · · · · · |            |
|       |          | 3                                       |             |                                       | : 0        |
| 13600 | 0.04638  | Cdc42 guanine nucleotide exchange       | NM 015185   | Hs.54697                              | NP 056000  |
| *     |          | factor (GEF) 9 (ARHGEF9), mRNA          | -           |                                       |            |
|       |          | /cds=(802,2352) /gb=NM_015185           |             | 9 0                                   |            |
|       | ,        | /gi=7662107 /ug=Hs.54697 /len=5413      |             |                                       |            |
| 13612 | 0.04638  | poly(rC) binding protein 2 (PCBP2),     | NM 005016   | Hs.63525                              | NP 114366  |
|       |          | transcript variant 1, mRNA              |             |                                       | , , , ,    |
|       |          | /cds=(89,1189) /gb=NM 005016            |             |                                       |            |
|       |          | /gi=14141167 /ug=Hs.63525 /len=1362     | *           |                                       |            |
|       |          |   |             |                                       |            |
| 13618 | 0.027906 | B-cell CLL/lymphoma 10 (BCL10),         | NM_003921   | Hs.193516                             | NP_003912  |
|       |          | mRNA /cds=(706,1407)                    |             | ,                                     |            |
|       |          | /gb=NM 003921 /gi=20336470              | 2 4         | 2                                     |            |
|       | 6        | /ug=Hs.193516 /len=2809                 | *           | ·                                     |            |
| 13634 | 0.009931 | non-SMC (structural maintenance of      | NM 145080   | Hs.284295                             | NP 659547  |
|       | 0.00000  | chromosomes) element 1 protein          | 1111_110000 | 110.201200                            |            |
|       |          | (NSE1), mRNA /cds=(24,794)              |             |                                       |            |
|       | ,        | /gb=NM 145080 /gi=21489972              |             | ,                                     | *          |
|       |          | /ug=Hs.284295 /len=992                  |             |                                       |            |
| 13646 | 0.011228 | FLJ13090 fis, clone NT2RP3002142        | AK023152    | Hs.287955                             |            |
|       |          | /cds=UNKNOWN /gb=AK023152               | 15          | . ,                                   |            |
|       |          | /gi=10434945 /ug=Hs.287955 /len=2182    | -           |                                       |            |
|       | 8        | *                                       | ·           | • •                                   | a *        |
| 13659 | 0.027906 | hypothetical protein (HSPC016), mRNA    | NM_015933   | Hs.397853                             | NP_057017  |
|       |          | /cds=(39,233) /gb=NM_015933             | -           |                                       |            |
|       | -        | /gi=7705430 /ug=Hs.397853 /len=384      |             | ÷.                                    |            |
| 13662 | 0.008765 | hypothetical protein FLJ14936           | NM 032864   | Hs.5301                               | NP 116253  |
| 1     | '        | (FLJ14936), mRNA /cds=(187,1125)        |             |                                       | _          |
|       |          | /gb=NM_032864 /gi=24762235              | •           |                                       | 380        |
|       | *        | /ug=Hs.5301 /len=2613                   |             |                                       | ,          |
| 13665 | 0.004545 | ubiquitin-conjugating enzyme E2 variant | NM 003350   | Hs.79300                              | NP_003341  |
| f ,   |          | 2 (UBE2V2), mRNA /cds=(22,459)          |             |                                       |            |
|       |          | /gb=NM_003350 /gi=12025664              | •           | *                                     | . 1        |
| ·     | * **     | /ug=Hs.79300 /len=1535                  |             |                                       |            |
|       |          |   |             |                                       |            |
| 13680 | 0.009931 | transforming, acidic coiled-coil        | NM_006997   | Hs.272023                             | NP_008928  |
|       |          | containing protein 2 (TACC2), mRNA      |             |                                       | _          |
| .:    |          | /cds=(87,3167) /gb=NM_006997            |             |                                       | <u>.</u> . |
|       |          | /gi=11119413 /ug=Hs.272023 /len=3686    |             |                                       |            |
|       |          |   |             |                                       | · ·        |
| 13690 | 0.044138 | mRNA; cDNA DKFZp566G1424 (from          | AL122043    | Hs.19221                              |            |
|       |          | clone DKFZp566G1424) /gb=AL122043       |             |                                       |            |
|       | ŀ        | /gi=6093233 /ug=Hs.19221 /len=4410      | ·           | *                                     |            |
|       |          |   |             |                                       |            |
|       | 1,       |   | l           | l                                     | L          |

| Spot     | p-value                                  | Description   | Gene<br>Accession | Unigene<br>Accession | Protein<br>Accession |
|----------|--|---|-------------------|----------------------|----------------------|
|          | * • •                                    | , , , , , , , , , , , , , , , , , , ,   | No.               | No.                  | No.                  |
| 13691    | 0.006784                                 | POP4 (processing of precursor , S. cerevisiae) (POP4), mRNA                                   | NM_006627         | Hs.421667            | NP_006618            |
|          | * •                                      | /cds=(26,688) /gb=NM_006627<br>/gi=5729985 /ug=Hs.421667 /len=1133                            |                   |                      |                      |
| 13700    | 0.014265                                 | DJ467N11.1 protein, FLJ13127 fis,   | AK023189          | Hs.143917            | NP 071374            |
| 13700    | 0.014200                                 | clone NT2RP3002911 /cds=UNKNOWN<br>/gb=AK023189 /gi=10435003                                  | 7111020103        | 113.140017           | _071074              |
|          |  | /ug=Hs.143917 /len=3073   | •                 |                      |                      |
| 13709    | 0.04638                                  | hypothetical protein MGC2560 (MGC2560), mRNA /cds=(195,551)                                   | NM_031452         | Hs.80624             | NP_113640            |
|          |  | /gb=NM_031452 /gi=13899288<br>/ug=Hs.80624 /len=1229  |                   |                      |                      |
| 13718    | 0:029136                                 | hypothetical protein MGC5370  | NM_032739         | Hs.332938            | NP_116128            |
|          | χ  | (MGC5370), mRNA /cds=(189,269)<br>/gb=NM_032739 /gi=14249363                                  | , "               |                      |                      |
|          |  | /ug=Hs.332938 /len=974  |                   |                      |                      |
| 13722    | 0.044138                                 | cDNA FLJ13032 fis, clone<br>NT2RP3001120, moderately similar to                               | AK023094          | Hs.110956            |                      |
|          | *  | ZINC FINGER PROTEIN 136.  | . +               |                      |                      |
|          | e)(e                                     | /cds=(120,1730) /gb=AK023094  |                   |                      |                      |
|          |  | /gi=10434855 /ug=Hs.110956 /len=2316  | 9                 |                      |                      |
| 13731    | 0.025072                                 | diacylglycerol O-acyltransferase<br>homolog 2 (mouse) (DGAT2), mRNA                           | NM_032564         | Hs.334305            | NP_115953            |
|          | <. : . : . : . : . : . : . : . : . : . : | /cds=(777,1670) /gb=NM_032564<br>/gi=14211870 /ug=Hs.334305 /len=2713                         |                   |                      |                      |
| <u> </u> |  |   |                   |                      |                      |
| 13761    | 0.016031                                 | optic atrophy 1 (autosomal dominant) (OPA1), nuclear gene encoding                            | NM_130837         | Hs.147946            | NP_570850            |
|          |  | mitochondrial protein, transcript variant   |                   | -                    |                      |
|          |  | 8, mRNA /cds=(56,3103)<br>/gb=NM_130837 /gi=18860844  |                   | -                    |                      |
| 10700    | 0.044005                                 | /ug=Hs.147946 /len=6029   | NIN 00 40 77      | 11. 000700           | ND 004000            |
| 13782    | 0.014265                                 | citrate synthase (CS), nuclear gene<br>encoding mitochondrial protein, mRNA                   | NM_004077         | Hs.239760            | NP_004068            |
| *        |  | /cds=(1,1401) /gb=NM_004077<br>/gi=4758075 /ug=Hs.239760 /len=1401                            | ,                 |                      |                      |
| 13783    | 0.027906                                 | centrin, EF-hand protein, 2 (CETN2),<br>mRNA /cds=(48,566) /gb=NM_004344                      | NM_004344         | Hs.82794             | NP_004335            |
| *        |  | /gi=4757901 /ug=Hs.82794 /len=1087  |                   |                      |                      |
| 13803    | 0.038054                                 | Rho-related BTB domain containing 3 (RHOBTB3), mRNA /cds=(336,2171) /gb=NM_014899 /gi=7662355 | NM_014899         | Hs.10432             | NP_055714            |
|          | i.                                       | /ug=Hs.10432 /len=4099  |                   |                      |                      |

| S        | pot      | p-value    | Description                           | Gene        | Unigene   | Protein   |
|----------|----------|------------|---------------------------------------|-------------|-----------|-----------|
|          |          |            | **                                    | Accession   | Accession | Accession |
|          | - 1      | , ,-       |                                       | No.         | No.       | No.       |
| 13       | 3810     | 0.031002   | hypothetical protein FLJ11577         | NM_025159   | Hs.289065 | NP_079435 |
|          | 100      |            | (FLJ11577), mRNA /cds=(277,1182)      |             |           |           |
|          |          |            | /gb=NM_025159 /gi=13376758            |             | m (m)     |           |
|          |          |            | /ug=Hs.289065 /len=1808               |             |           |           |
| 13       | 3811     | 0.042048   | hypothetical protein FLJ20360         | NM_017782   | Hs.26434  | NP_060252 |
|          |          | ٠.         | (FLJ20360), mRNA /cds=(80,2305)       |             | *         |           |
|          |          |            | /gb=NM_017782 /gi=8923334             | · ·         |           | · -[      |
| L        |          | 1          | /ug=Hs.26434 /len=3041                |             |           | ٠         |
| 13       | 3827     | 0.042048   | proteasome (prosome, macropain) 26S   | NM_002802   | Hs.4745   | NP_002793 |
| 1        |          |            | subunit, ATPase, 1 (PSMC1), mRNA      |             | ,         |           |
| 1: 1     | <u> </u> |            | /cds=(49,1371) /gb=NM_002802          |             | · .       |           |
|          |          | :          | /gi=24430150 /ug=Hs.4745 /len=1586    |             |           | / ,.      |
|          | ` .      | · .        |                                       |             |           |           |
| 1:       | 3860     | 0.04638    | hypothetical protein DKFZp564F013     | NM_020432   | Hs.128653 | NP_065165 |
|          |          |            | (DKFZP564F013), mRNA                  |             |           |           |
| ŀ        | .+ :     |            | /cds=(107,2194) /gb=NM_020432         |             |           | - ,       |
|          | 7.       |            | /gi=24308192 /ug=Hs.128653 /len=4572  |             |           |           |
| L        | *        |            |                                       |             |           |           |
| ] 1:     | 3878     | 0.034378   | EST(yr18g03.r1 cDNA clone 205684 5')  | H63006      |           |           |
|          |          |            |                                       |             |           | E         |
| [1:      | 3914     | 0.022485   | hypothetical protein FLJ11193         | NM_018356   | Hs.151046 | NP_060826 |
| 1.       |          | F          | (FLJ11193), mRNA /cds=(115,1443)      |             |           |           |
| 1        |          |            | /gb=NM_018356 /gi=8922930             |             |           | { ·       |
| _        |          |            | /ug=Hs.151046 /len=2719               |             |           |           |
| 11:      | 3932     | 0.038054   | EST(zr99b03.r1 NCI_CGAP_GCB1          | AA236732    |           | NP_690869 |
| L        |          |            | clone IMAGE:683789 5')                |             | <u> </u>  |           |
| _        | 3939     |            | EST(ys82e11.r1 clone 221324 5')       | H92037      |           | NP_803133 |
| 1:       | 3953     | 0.04638    | hypothetical protein FLJ20287         | NM_017746   | Hs.26369  | NP_060216 |
|          |          |            | (FLJ20287), mRNA /cds=(132,2921)      |             |           |           |
|          |          | *          | /gb=NM_017746 /gi=8923268             |             |           |           |
| _        |          |            | /ug=Hs.26369 /len=3043                |             |           |           |
| 11:      | 3954     | 0.020126   | EST nw48e08.s1 NCI_CGAP_Ew1           | AA730589    |           |           |
| <u> </u> | 0004     | 0.040040   | IMAGE:1249862                         | 44004500    | 11 100005 |           |
| 11.      | 3984     | 0.042048   | to90d01.x1 NCI_CGAP_Gas4 cDNA         | Al801509    | Hs.436925 |           |
|          |          |            | clone IMAGE:2185537 3' similar to     |             |           |           |
| 1        |          |            | contains L1.t1 L1 repetitive element; |             | 1         | *:        |
|          |          |            | mRNA sequence                         |             | 1 .       |           |
|          | • •      |            | /clone=IMAGE:2185537 /clone_end=3'    |             |           | <u> </u>  |
|          |          |            | /gb=Al801509 /gi=5366981              |             |           |           |
| 1        | 4045     | 0.000.405  | /ug=Hs.436925 /len=446                | A) (74000 t |           | ND 004050 |
| 11       | 4015     | J U.U22485 | EST(AV713804 DCB cDNA clone           | AV713804    |           | NP_004853 |
| 1        | 4040     | 0.000001   | DCBAXA05 5')                          | A1000004    | ļ.,       | ND 000547 |
| 17.      | 4018     | 0.009931   |                                       | AI086864    |           | NP_002517 |
|          |          |            | (Soares_senescent_fibroblasts_NbHSF   |             |           |           |
| L        |          | <u> </u>   | clone IMAGE:1682209 3')               | <u> </u>    | L         | <u> </u>  |

| Spot  | p-value    | Description  | Gene<br>Accession      | Unigene<br>Accession    | Protein<br>Accession |
|-------|------------|--|------------------------|-------------------------|----------------------|
| 14021 | 0.024270   | ŲI-E-EJ0-ahg-j-09-0-UI.r1 UI-E-EJ0   | <b>No.</b><br>BM712784 | <b>No.</b><br>Hs.278378 | No.                  |
| 14021 | 0.034376   |  | DIVI7 12704            | IDS.270370              |                      |
|       |            | cDNA clone UI-E-EJ0-ahg-j-09-0-UI 5',  | 7                      | * (3)                   | ٠.                   |
|       | *          | mRNA sequence /clone=UI-E-EJ0-ahg-j-   |                        |                         | ()                   |
|       |            | 09-0-UI /clone_end=5' /gb=BM712784   |                        | -                       |                      |
|       |            | /gi=19026042 /ug=Hs.278378 /len=1255   | · .                    |                         |                      |
|       |            |  |                        |                         |                      |
| 14023 | 0.04638    | cDNA sequence FLJ12285 fis, clone  | AK022347               |                         |                      |
| 11050 |            | MAMMA1001764   | 10054505               |                         |                      |
| 14056 | 0.04638    | mRNA for KIAA1748 protein, partial cds.  | AB051535               | Hs.27239                |                      |
| 7 =   |            | /cds=(1120,3396) /gb=AB051535  | A                      |                         |                      |
|       |            | /gi=12698040 /ug=Hs.27239 /len=4545  |                        | • ,                     |                      |
|       |            |  |                        |                         |                      |
| 14057 | 0.027906   | cDNA FLJ90553 fis, clone   | AK075034               | Hs.406158               |                      |
|       |            | OVARC1000853. /cds=(116,748)   |                        | ĺ                       |                      |
|       | ļ          | /gb=AK075034 /gi=22760867  |                        |                         | 0                    |
|       |            | /ug=Hs.406158 /len=1673  | v.                     |                         |                      |
| 14060 | 0.004545   | beta-amyloid binding protein precursor   | NM_032027              | Hs.333541               | NP_114416            |
|       | •          | (BBP), mRNA /cds=(304,927)   |                        |                         |                      |
|       |            | /gb=NM_032027 /gi=17738309   |                        |                         |                      |
| ٠.    |            | /ug=Hs.333541 /len=1250  | 4.00                   |                         |                      |
| 14066 | 0.016031   | cDNA sequence FLJ13663 fis, clone  | AK023725               |                         | NP_003817            |
|       | * 1. 1     | PLACE1011646, highly similar to  |                        |                         |                      |
|       |            | H.sapiens clone  |                        | ]                       |                      |
| 14067 | 0.034378   | EST (zh68h11.r1  | W87789                 |                         |                      |
|       |            | Soares_fetal_liver_spleen_1NFLS_S1   |                        |                         |                      |
|       | '          | clone IMAGE:417285 5')   |                        |                         |                      |
| 14085 | 0.034378   | EST (np87f03.s1 NCI_CGAP_Thy1  | AA632677               | • 1                     |                      |
|       |            | IMAGE:1133309)   |                        | ].:                     |                      |
| 14087 | 0.042048   | EST ab74g12.s1 Stratagene fetal retina   | AA668159               |                         | NP 054767            |
|       |            | 937202 H.sapiens cDNA clone  |                        |                         | · -                  |
| - 6   |            | IMAGE:852742 3'  |                        |                         |                      |
| 14097 | 0.04638    | MR0-HT0559-290500-027-d10 HT0559   | BE708268               | Hs.209224               |                      |
|       |            | cDNA, mRNA sequence /gb=BE708268   |                        |                         | r ·                  |
|       | 9          | /gi=10096533 /ug=Hs.209224 /len=619  |                        |                         |                      |
|       |            |  |                        |                         |                      |
| 14100 | 0.00772    | 7n87e11.x1 NCI CGAP Ov18 cDNA  | BF195714               | Hs.439426               |                      |
| 14100 | 0.00172    | clone IMAGE:3571677 3', mRNA   |                        | 110.400-120             |                      |
|       | ł          | sequence /clone=IMAGE:3571677  | 1                      |                         |                      |
|       |            | /clone_end=3' /gb=BF195714   |                        | · · · · ·               | 0.                   |
|       |            | /gi=11082893 /ug=Hs.439426 /len=458  |                        |                         | -                    |
|       | 1          | 191-11002093 /dg-115.439420 /1611-430  |                        |                         |                      |
| 14109 | 0.012065   | wq35e02.x1 NCI_CGAP_GC6 cDNA   | AI950442               | Hs.176956               |                      |
| 14109 | j v.013005 | clone IMAGE:2473274 3', mRNA   | 171300442              | 113.170900              |                      |
|       | ]          | The state of the s | 97                     | J                       |                      |
|       |            | sequence /clone=IMAGE:2473274  | *                      |                         |                      |
|       |            | /clone_end=3' /gb=Al950442   |                        | 1                       | 1                    |
| 44404 | 0.000054   | /gi=5742752 /ug=Hs.176956 /len=496   | BC024207               | <u> </u>                | ND 004040            |
| 14134 | U.U38U54   | EST (602302386F1 NIH_MGC_87  | BG034307               |                         | NP_001943            |
| 44444 | 0.00070    | cDNA clone IMAGE:4403877 5')   | 141442004              | 2 7 7 7 7               | ND 057505            |
| 14144 | 0.006784   | EST (AU143964 HEMBA1 cDNA clone  | AU143964               | *                       | NP_057535            |
|       | 1          | HEMBA1000519-3')   |                        | <u> </u>                |                      |

| Spot     | p-value                                      | Description                             | Gene         | Unigene   | Protein   |
|----------|--|---|--------------|-----------|-----------|
|          |  |   | Accession    | Accession | Accession |
|          |  |   | No.          | No.       | No.       |
| 14168    | 0.020126                                     | 7j81h05.x1                              | BF055560     | Hs.298968 |           |
|          | 0,029.20                                     | Soares NSF F8 9W OT PA P S1             |              |           |           |
|          |  | cDNA clone IMAGE:3392889 3', mRNA       |              | a         |           |
|          | Ï  | sequence /clone=IMAGE:3392889           | ·            | 1         |           |
| ļ        |  | /clone_end=3' /gb=BF055560              |              |           |           |
| - X      |  | /gi=10809456 /ug=Hs.298968 /len=506     |              | · ·       | · :       |
| ,        |  | 791-10003430 7ug-113.230300 7ici1-000   |              |           |           |
| 14173    | 0.044138                                     | Wilms' tumour 1-associating protein     | NM 004906    | Hs.119    | NP 690597 |
| 17113    | 0.044100                                     | (WTAP), transcript variant 1, mRNA      | 14141_004000 | 113.110   |           |
|          | - 32   | /cds=(223,1413) /gb=NM_004906           | tr. 😽 🥫      |           |           |
|          |  | /gi=23199972 /ug=Hs.119 /len=2143       | 00           | *         |           |
| 14174    | 0.034370                                     |   | NC_001807    |           |           |
| 14174    |  | mitochondrion, complete genome          | BF848451     |           |           |
| 14178    | 0.042048                                     | EST(cDNA PM4-EN0063-051100-003-         | DE040401     |           |           |
| 14000    | 0.044000                                     | g09 EN0063)<br>EST(wf59e08.x1           | AI809898     |           |           |
| 14200    | J 0.011228                                   |   | VIOUADAO     |           |           |
|          |  | Soares_NFL_T_GBC_S1 cDNA clone          | , i          |           |           |
| 44004    | 0.044004                                     | IMAGE:2359910 3')                       | Al377927     |           |           |
| 14201    | 0.011904                                     | EST(te67a08.x1                          | Al37/92/     | .*        |           |
|          | .1   | Soares_NFL_T_GBC_S1 cDNA clone          | 8.00         | ÷         |           |
| 77 12 22 |  | IMAGE:2091734 3')                       | 57400400     | 11 000000 |           |
| 14209    | 0.025072                                     | BX109160 Soares_NhHMPu_S1 cDNA          | BX109160     | Hs.308982 | *         |
| 0        |  | clone IMAGp998H024744, mRNA             |              |           |           |
|          | <b>*</b> * * * * * * * * * * * * * * * * * * | sequence /                              | • .          |           |           |
|          | * .  | /clone=IMAGp998H024744_;_IMAGE:1        |              |           |           |
|          |  | 933489 /gb=BX109160 /gi=27877586        |              |           |           |
|          |  | /ug=Hs.308982 /len=483                  |              | *         |           |
| 14235    | 0.025072                                     | hypothetical protein MGC45400           | NM_153333    | Hs.389734 | NP_699164 |
| ,        | ***  | (MGC45400), mRNA /cds=(245,598)         | - 7          |           |           |
| 1        | 0  | /gb=NM_153333 /gi=23503246              | · X:         | 9         |           |
|          |  | /ug=Hs.389734 /len=1290                 |              |           | id        |
| 14243    | 0.022485                                     | cDNA FLJ36574 fis, clone                | AK093893     | Hs.356595 | •         |
|          |  | TRACH2012376. /gb=AK093893              | *            |           | . ,       |
|          |  | /gi=21752845 /ug=Hs.356595 /len=1952    |              |           |           |
|          |  |   | 1 14         |           |           |
| 14250    | 0.027906                                     | ferritin, light polypeptide (FTL), mRNA | NM_000146    | Hs.430150 | NP_000137 |
|          |  | /cds=(189,716) /gb=NM_000146            |              |           |           |
|          |  | /gi=20149497 /ug=Hs.430150 /len=878     |              |           |           |
| Ŀ        |  |   |              |           |           |
| 14272    | 0.04638                                      | nuclear protein double minute 1         | NM_017440    | Hs.12871  | NP_064513 |
|          |  | (MDM1), mRNA /cds=(93,2237)             |              |           |           |
|          |  | /gb=NM_017440 /gi=24586654              | ė.           |           |           |
|          |  | /ug=Hs.12871 /len=2942                  | ·            | · .       |           |
| 14279    | 0.01798                                      | AL535026 LTI_FL013_FBrn1 cDNA           | AL535026     | Hs.268474 |           |
|          |  | clone CS0DF007YJ21 3 prime, mRNA        |              |           | 5.19      |
| -),-     |  | sequence /clone=CS0DF007YJ21            |              |           |           |
| 1        |  | /clone_end=3' /gb=AL535026              |              |           |           |
|          |  | /gi=12798519 /ug=Hs.268474 /len=921     |              |           |           |
| L i      | I  |   |              | ٠.        |           |

| Spot           | p-value  | Description   | Gene<br>Accession<br>No. | Unigene<br>Accession<br>No. | Protein<br>Acc ssion<br>No. |
|----------------|----------|---|--------------------------|-----------------------------|-----------------------------|
| 14284          | 0.027906 | hypothetical protein FLJ23751<br>(FLJ23751), mRNA /cds=(121,1563)<br>/gb=NM_152282 /gi=22748648   | NM_152282                | Hs.37443                    | NP_689495                   |
| 14288          | 0.034378 | /ug=Hs.37443 /len=2994<br>small acidic protein (SMAP), mRNA<br>/cds=(137,688) /gb=NM_014267<br>/gi=20070245 /ug=Hs.78050 /len=1504  | NM_014267                | Hs.78050                    | NP_055082                   |
| 14380          | 0.042048 | NADH dehydrogenase (ubiquinone) 1<br>beta subcomplex, 1, 7kDa (NDUFB1),<br>mRNA /cds=(34,210) /gb=NM_004545<br>/gi=27597086 /ug=Hs.183435 /len=290  | NM_004545                | Hs.183435                   | NP_004536                   |
| 14382          | 0.038054 | mRNA; cDNA DKFZp434P1018 (from clone DKFZp434P1018); partial cds /cds=UNKNOWN /gb=AL137527 /gi=6808195 /ug=Hs.289038 /len=3327  | AL137527                 | Hs.289038                   | NP_116162                   |
| 14409          | 0.04638  | ESTs, cDNA, 3' end<br>/clone=IMAGE:384992 /clone_end=3'<br>/gb=AA709133 /gi=2719051<br>/ug=Hs.180144 /len=428   | AA709133                 | Hs.180144                   |                             |
| 14425          | 0.00772  | wc34a07.x1 NCI_CGAP_Pr28 cDNA clone IMAGE:2317044 3' similar to contains element MSR1 repetitive element;, mRNA sequence /clone=IMAGE:2317044 /clone_end=3' /gb=AI745524 /gi=5113812 /ug=Hs.205153 /len=398 | Al745524                 | Hs.205153                   |                             |
| 14487          | 0.038054 | Cloning vector pAS2, complete sequence  | U30496                   |                             |                             |
| 14520          | 0.01798  | cDNA FLJ90504 fis, clone<br>NT2RP3004090, weakly similar to<br>GOLIATH PROTEIN. /cds=(103,1305)<br>/gb=AK074985 /gi=22760786<br>/ug=Hs.171802 /len=2452   | AK074985                 | Hs.171802                   | NP_775918                   |
| 14522<br>14529 |          | EST(Soares fetal liver spleen<br>hypothetical protein FLJ23033<br>(FLJ23033), mRNA /cds=(108,1826)<br>/gb=NM_024686 /gi=13375957<br>/ug=Hs.96423 /len=2115  | N72700<br>NM_024686      | Hs.96423                    | NP_078962                   |
| 14553          | 0.025072 | hypothetical protein H41 (H41), mRNA<br>/cds=(324,1100) /gb=NM_017548<br>/gi=24475997 /ug=Hs.283690 /len=3346   | NM_017548                | Hs.283690                   | NP_060018                   |
| 14559          | 0.004596 | EST hb88d08.x1 NCI_CGAP_Ut2 cDNA<br>clone IMAGE:2890287 3'  | AW439829                 |                             | NP_620128                   |

| Description   Gene Accession No.   No. | on Accession        |
|--|---------------------|
| 14560 0.016031 TRAM-like protein (KIAA0057), mRNA /cds=(76,1188) /gb=NM_012288 /gi=6912449 /ug=Hs.153954 /len=6974 Hs.153954 /len=6974 14571 0.020912 EST(xx31a10.x1 NCI_CGAP_Ut1 clone IMAGE:2839098 3') 14596 0.038054 AGENCOURT_8819408 NIH_MGC_18 cDNA clone IMAGE:6422878 5', mRNA sequence /clone=IMAGE:6422878 /clone_end=5' /gb=BQ941317   | No.<br>54 NP_036420 |
| 14560 0.016031 TRAM-like protein (KIAA0057), mRNA /cds=(76,1188) /gb=NM_012288 /gi=6912449 /ug=Hs.153954 /len=6974  14571 0.020912 EST(xx31a10.x1 NCI_CGAP_Ut1 clone IMAGE:2839098 3')  14596 0.038054 AGENCOURT_8819408 NIH_MGC_18 cDNA clone IMAGE:6422878 5', mRNA sequence /clone=IMAGE:6422878 /clone_end=5' /gb=BQ941317   | 54 NP_036420        |
| /gi=6912449 /ug=Hs.153954 /len=6974  14571  0.020912  EST(xx31a10.x1 NCI_CGAP_Ut1 clone   AW571469   IMAGE:2839098 3')  14596  0.038054  AGENCOURT_8819408 NIH_MGC_18   BQ941317   CDNA clone IMAGE:6422878 5', mRNA sequence /clone=IMAGE:6422878   /clone_end=5' /gb=BQ941317  | NP_055260           |
| 14571 0.020912 EST(xx31a10.x1 NCI_CGAP_Ut1 clone AW571469 IMAGE:2839098 3')  14596 0.038054 AGENCOURT_8819408 NIH_MGC_18 BQ941317 CDNA clone IMAGE:6422878 5', mRNA sequence /clone=IMAGE:6422878 /clone_end=5' /gb=BQ941317   | NP_055260           |
| IMAGE:2839098 3')  14596   | NP_055260           |
| IMAGE:2839098 3')  14596   | NP_055260           |
| 14596 0.038054 AGENCOURT_8819408 NIH_MGC_18 BQ941317 Hs.4430 cDNA clone IMAGE:6422878 5', mRNA sequence /clone=IMAGE:6422878 /clone_end=5' /gb=BQ941317  |                     |
| cDNA clone IMAGE:6422878 5', mRNA<br>sequence /clone=IMAGE:6422878<br>/clone_end=5' /gb=BQ941317   |                     |
| sequence /clone=IMAGE:6422878<br>/clone_end=5' /gb=BQ941317  | 78                  |
| /clone_end=5' /gb=BQ941317   |                     |
|  |                     |
|  | ·                   |
| /gi=22356795 /ug=Hs.443078 /len=929  | 1                   |
|  |                     |
| 14618 0.005206 EST (UI-H-BI2-agh-g-08-0-UI.s1 AW291353   | NP_061049           |
| NCI_CGAP_Sub4 cDNA clone   | *                   |
| IMAGE:2724303 3')  | == -                |
| 14623 0.042048 hypothetical protein FLJ35779 NM_152408 Hs.4327   | 26 NP_689621        |
| (FLJ35779), mRNA /cds=(42,1694)  |                     |
| /gb=NM_152408 /gi=22748864   |                     |
| /ug=Hs.432726 /len=1698  |                     |
| 14631 0.027906 EST(12h2 retina cDNA randomly primed W26795   |                     |
| sublibrary)  |                     |
| 14642 0.038054 aa51h10.s1 NCI_CGAP_GCB1 cDNA   | 86                  |
| clone IMAGE:824515 3' similar to   |                     |
| contains MER30.b1 MER30 repetitive   |                     |
| element;, mRNA sequence  | ()                  |
| /clone=IMAGE:824515 /clone_end=3'  |                     |
| //gb=AA490540 /gi=2219713  | 40                  |
|  | 70                  |
|  | 19                  |
| /gi=14043927 /ug=Hs.433279 /len=1493   |                     |
| /gi=14045927 /dg=115.455279 /le11=1495   | <u>'</u>            |
| 14677 0.044138 cDNA, 5' end /clone=IMAGE:158873 R75776 Hs.3024   | 85 NP 004356        |
| /clone_end=5' /gb=R75776 /gi=850458  | 03  147 _004000     |
| /ug=Hs.302485 /len=522   | *                   |
| 14686 0.012669 chromosome 20 open reading frame 52 NM_080748 Hs.4017   | 03 NP 542786        |
| (C20orf52), mRNA /cds=(164,403)  |                     |
| /gb=NM_080748 /gi=18152784   |                     |
| /ug=Hs.401703 /len=602   |                     |
| 14690 0.04638 cDNA FLJ35033 fis, clone AK092352 Hs.1561  | 13                  |
| OCBBF2016590, weakly similar to  |                     |
| CELL SURFACE ANTIGEN 114/A10   |                     |
| PRECURSOR. /cds=(407,934)  | a.                  |
| /gb=AK092352 /gi=21750925  | ,                   |
| /ug=Hs.156113 /len=2884  |                     |

| Spot  | p-value   | Description                              | Gene          | Unigene   | Protein   |
|-------|-----------|--|---------------|-----------|-----------|
|       | -         | *  | Accession     | Accession | Accession |
|       | . <u></u> |  | No.           | No.       | No.       |
| 14777 | 0.038054  | UI-E-EJ0-ahn-c-06-0-UI.s1 UI-E-EJ0       | BM674956      | Hs.131705 |           |
| l .'  |           | cDNA clone UI-E-EJ0-ahn-c-06-0-UI 3',    |               |           |           |
| 100   |           | mRNA sequence /clone=UI-E-EJ0-ahn-       |               |           |           |
|       | · .       | c-06-0-UI /clone_end=3' /gb=BM674956     |               |           |           |
|       |           | /gi=18984854 /ug=Hs.131705 /len=1017     | -             |           |           |
| 14779 | 0.016031  | UI-H-BI2-ahk-c-12-0-UI.s1                | AW294558      | Hs.437134 |           |
|       |           | NCI_CGAP_Sub4 cDNA clone                 |               |           | •         |
|       |           | IMAGE:2727166 3', mRNA sequence          |               | •         |           |
| *     |           | /clone=IMAGE:2727166 /clone_end=3'       | <sup>37</sup> |           |           |
|       |           | /gb=AW294558 /gi=6701194                 |               |           |           |
|       | ×         | /ug=Hs.437134 /len=888                   | ( · ·         | * * /     |           |
| 14799 | 0.04638   | DKFZp586J021 (from clone                 | AL110197      | Hs.6441   | NP_003246 |
|       |           | DKFZp586J021) /cds=UNKNOWN               |               |           |           |
| 9 .   |           | /gb=AL110197 /gi=5817115                 | ·             |           |           |
|       |           | /ug=Hs.6441 /len=1896                    |               |           |           |
| 14804 | 0.014741  | splicing factor, arginine/serine-rich 12 | NM_139168     | Hs.381165 | NP_631907 |
|       |           | (SFRS12), mRNA /cds=(342,1868)           |               |           | () () ()  |
|       |           | /gb=NM_139168 /gi=21040254               | *             |           |           |
| ·     | 1.0       | /ug=Hs.381165 /len=3811                  |               |           |           |
| 14882 | 0.038054  | DKFZp434C022_s1 434 (synonym:            | AL044366      | Hs.165805 |           |
|       | , X       | htes3) cDNA clone DKFZp434C022 3',       |               |           |           |
| 1     |           | mRNA sequence                            | <b>)</b>      |           |           |
|       | ·         | /clone=DKFZp434C022 /clone_end=3'        | *             |           |           |
| 7     |           | /gb=AL044366 /gi=5432588                 | **            | 1         |           |
|       | <u> </u>  | /ug=Hs.165805 /len=668                   |               |           |           |
| 14934 | 0.026138  | No significant match                     |               |           | 7         |
|       |           | (ORF:+1:1~102[102])                      | SEQ.ID.No.59  |           |           |
| 14941 | 0.01798   | brain cDNA clone:QmoA-10474, full        | AB062971      |           |           |
|       |           | insert sequence                          | 1             | × ;.      |           |

|         |           | TABLE 30                                   |  | 4 41 42    | <del>                                      </del> |
|---------|-----------|--|--|------------|---|
|         |           | ng To Diff rentially Expressed Genes in I  |  |            | <u>,                                     </u>     |
| Spot    | p-value   | Description                                | Accession                                    | Unigene    | Protein   |
|         | . 9       | · · · · · · · · · · · · · · · · · · ·      |  |            | Accession   |
|         |           | · · · · · · · · · · · · · · · · · · ·      |  |            | No  |
| . 8     | 0.000153  | calreticulin (CALR), mRNA                  | NM_004343                                    | Hs.353170  | NP_004334   |
|         |           | /cds=(69,1322) /gb=NM_004343               |  |            |   |
|         |           | /gi=5921996 /ug=Hs.353170 /len=1899        |  |            |   |
| 21      | 0.000298  | telomeric repeat binding factor (NIMA-     | NM 017489                                    | Hs.194562  | NP_059523   |
|         |           | interacting) 1 (TERF1), transcript variant |  |            |   |
|         | . 7       | 1, mRNA /cds=(16,1335) /gb=NM_017489       | * ()   |            | - B   |
| *       |           | /gi=9257245 /ug=Hs.194562 /len=2686        | <u>.                                    </u> | .0.7 .0.   | *   |
| •       |           | /gi=3237 2,43 /dg=113. 134302 /ici1=2000   |  |            |   |
| 91      | 0.001116  | XPA binding protein 1; putative ATP(GTP)   | NIM 007266                                   | Hs.18259   | NP 009197   |
| 91      | 0.001,116 |  | NIVI_007200                                  | IDS. 10209 | INP_009197  |
|         |           | binding protein (NTPBP), mRNA              |  |            | *   |
|         |           | /cds=(25,1149) /gb=NM_007266               | ,  |            | * ·   |
| · . · - |           | /gi=14149628 /ug=Hs.18259 /len=1829        |  |            |   |
| . 146   | 0.001393  | similar to hypothetical protein (L1H 3     | NM_145302                                    | Hs.343206  | NP_660345.1                                       |
|         | 341       | region) - human (LOC201853), mRNA          |  |            |   |
|         | 100       | /cds=(500,820) /gb=NM_145302               |  |            | ]   |
| . + 5   | ',        | /gi=21699085 /ug=Hs.343206 /len=851        |  | 7          |   |
| 176     | 0.000508  | nuclear autoantigenic sperm protein        | NM 172164                                    | Hs.380400  | NP 751896   |
|         |           | (histone-binding) (NASP), transcript       | _  |            |   |
|         |           | variant 1, mRNA /cds=(170,2542)            |  |            | 4   |
|         |           | /gb=NM_172164 /gi=27262633                 |  |            |   |
| ٠.      |           | /ug=Hs.380400 /len=3396                    |  |            | ·   |
| 192     | 0.000800  | mRNA for KIAA0570 protein, partial cds.    | AB011142                                     | Hs.180948  | BAA25496.2  |
| 192     | 0.000009  |  | AD011142                                     | I          | DAA23430.2  |
|         |           | /cds=(480,10718) /gb=AB011142              |  |            |   |
|         |           | /gi=20521084 /ug=Hs.180948 /len=11269      |  |            | ,   |
| 100     |           |  | 11114 004444                                 |            | 110 000001  |
| 195     | 0.000346  | X-ray repair complementing defective       | NM_021141                                    | Hs.84981   | NP_066964   |
| . •     |           | repair in Chinese hamster cells 5 (double- |  |            |   |
|         |           | strand-break rejoining; Ku autoantigen,    |  |            |   |
| *       |           | 80kDa) (XRCC5), mRNA /cds=(34,2232)        |  |            |   |
|         |           | /gb=NM_021141 /gi=12408650                 |  | 1          |   |
|         |           | /ug=Hs.84981 /len=3310                     | ·  |            |   |
| 301     | 0.000333  | chaperonin containing TCP1, subunit 4      | NM_006430                                    | Hs.79150   | NP_006421   |
|         |           | (delta) (CCT4), mRNA /cds=(1,1620)         |  |            |   |
|         |           | /gb=NM_006430 /gi=5453604                  |  | ·          |   |
|         |           | /ug=Hs.79150 /len=1883                     |  |            | ~   |
| 328     | 0.001746  | EST(yj40f11.r1 clone 151245 5')            | H02533                                       | 1 1        | NP: 705833  |
| 331     |           | dihydropyrimidinase-like 2 (DPYSL2),       | NM 001386                                    | Hs.173381  | NP_001377   |
| 331     | 0.000492  | mRNA /cds=(275,1993) /gb=NM_001386         | 11111_00,1300                                | 113.173301 |   |
|         |           |  |  | *          |   |
| 7       |           | /gi=19923654 /ug=Hs.173381 /len=4459       |  | F 1 .      |   |
| 300     | 0.005.00  | TO64 115 126                               | NIM COCCO                                    | 115 45074  | ND 000570   |
| 333     | 8.88E-06  | chaperonin containing TCP1, subunit 8      | NM_006585                                    | Hs.15071   | NP_006576   |
| 1       | 1         | (theta) (CCT8), mRNA /cds=(29,1675)        | 0  |            |   |
| Ì       |           | /gb=NM_006585 /gi=6005726                  | - 1  |            | 1   |
|         |           | /ug=Hs.15071 /len=1821                     |  |            |   |
| 361     | 0.001546  | THO complex 1 (THOC1), mRNA                | NM_005131                                    | Hs.1540    | NP_005122   |
| 1       |           | 1  | 1 .  | 6.1        |   |
|         | .1 (      | /cds=(15,1988) /gb=NM_005131               | [ .  |            |   |

| Spot  | p-value  | Description                                  | Accession     | Unigene    | Protein<br>Accession |
|-------|----------|--|---------------|------------|----------------------|
|       |          |  |               |            | No.                  |
| 405   | 0.001541 | ATPase, Ca_transporting, plasma              | NM_001682     | Hs.78546   | NP_001673            |
| the " |          | membrane 1 (ATP2B1), mRNA                    |               |            |                      |
| . *   |          | /cds=(182,3844) /gb=NM_001682                |               | *          | الأنسخين وينا        |
|       |          | /gi=4502286 /ug=Hs.78546 /len=4398           |               |            | , and 140            |
| 425   | 7.47E-05 | myeloid cell nuclear differentiation antigen | NM_002432     | Hs.153837  | NP_002423            |
|       |          | (MNDA), mRNA /cds=(201,1424)                 |               |            |                      |
|       |          | /gb=NM_002432 /gi=4505226                    |               | ·          |                      |
|       |          | /ug=Hs.153837 /len=1670                      |               |            |                      |
| 459   | 0.000298 | X-ray repair complementing defective         | NM_022550     | Hs.150930  | NP_072044            |
|       |          | repair in Chinese hamster cells 4            |               |            |                      |
|       |          | (XRCC4), transcript variant 3, mRNA          |               |            |                      |
|       |          | /cds=(176,1180) /gb=NM_022550                |               |            |                      |
|       | 1        | /gi=12408648 /ug=Hs.150930 /len=1707         |               | į .        |                      |
| 465   | 0.000636 | hypothetical protein, estradiol-induced      | NM_014367     | Hs.5243    | NP_055,182           |
| :     | À -      | (E2IG5), mRNA /cds=(71,643)                  | i             |            |                      |
|       | *        | /gb=NM_014367 /gi=21361426                   |               | * 0.       |                      |
|       |          | /ug=Hs.5243 /len=1215                        |               |            |                      |
| 525   | 0.000356 | KDEL (Lys-Asp-Glu-Leu) containing 1          | NM 024089     | Hs.44970   | NP 076994            |
|       |          | (KDELC1), mRNA /cds=(338,1846)               |               |            |                      |
|       |          | /gb=NM_024089 /gi=13129085                   |               |            | ٠.                   |
|       |          | /ug=Hs.44970 /len=2082                       | ·             | e          |                      |
| 700   | 8.5F-06  | major histocompatibility complex, class II,  | NM 019111     | Hs 409805  | NP 061984            |
|       | 0.02.00  | DR alpha (HLA-DRA), mRNA                     |               |            |                      |
|       |          | /cds=(65,829) /gb=NM_019111                  | T             | · · · ·    | ÿ.                   |
|       |          | /gi=18641378 /ug=Hs.409805 /len=1237         |               |            |                      |
| 731   | 5.82F-05 | mitochondrial ribosomal protein S21          | NM 018997     | Hs 81281   | NP_114107            |
| ,101  | 0,021.00 | (MRPS21), transcript variant 2, nuclear      | 11111_010001  | 110.01201  | 1                    |
| •     | 1        | gene encoding mitochondrial protein,         |               | 1          | } .                  |
| • 8   |          | mRNA /cds=(519,782) /gb=NM_018997            |               |            |                      |
|       |          | /gi=16950592 /ug=Hs.81281 /len=939           |               |            | , ° ,                |
| 793   | 0.000356 | glyoxalase I (GLO1), mRNA                    | NM 006708     | Hs.75207   | NP_006699            |
| 133   | 0.000330 | /cds=(88,642) /gb=NM 006708                  | 14141_0007.00 | 113.10201  | 14000055             |
|       |          | /gi=5729841 /ug=Hs.75207 /len=1993           |               |            | *                    |
| 796   | 0.000048 | poly(rC) binding protein 2 (PCBP2),          | NM 005016     | He 63525   | NP 114366            |
| 7 90  | 0.000340 | transcript variant 1, mRNA /cds=(89,1189)    |               | 113.03025  | 111-114300           |
|       |          | /gb=NM_005016 /gi=14141167                   | }             |            | ·                    |
|       |          |  |               |            |                      |
| 050   | 0.004639 | /ug=Hs.63525 /len=1362                       | AF224669      |            | AAF35233.1           |
| 852   | 0.001638 | mannosidase, beta A, lysosomal               | AF224009      |            | AAF30233.1           |
|       |          | (MANBA) gene, and ubiquitin-conjugating      |               |            | •                    |
|       | *.       | enzyme E2D 3 (UBE2D3) genes,                 | X.,           |            | ± 1000               |
|       | 0.00074  | complete cds                                 | 1100054       | 11- 050000 | ND 000005            |
| 919   | 0.000117 | putative protein tyrosine phosphatase        | U93051        | Hs.356062  | NP_000305            |
|       |          | (PTEN) mRNA, complete cds                    |               | *          |                      |
|       |          | /cds=(1,1212) /gb=U93051 /gi=1916351         | 1             | 1          | 1                    |
|       |          | /ug=Hs.356062 /len=1212                      |               |            |                      |
| 1039  | 5.44E-07 | cDNA FLJ13779 fis, clone                     | AK023841      | Hs.172069  | T12506               |
|       | . *      | PLACE4000445, highly similar to mRNA;        | }             |            |                      |
|       |          | cDNA DKFZp434C212 (from clone                | i)            |            |                      |
| +     |          | DKFZp434C212). /gb=AK023841                  |               |            | 1                    |
|       | 1        | /gi=10435900 /ug=Hs.172069 /len=4959         | ·             | <u> </u>   |                      |

| Spot     | p-value    | Description   | Accession    | Unigene    | Protein<br>Accession |
|----------|------------|---|--------------|------------|----------------------|
|          |            | ~   |              |            | No.                  |
| 1064     | 2.57E-05   | mitochondria solute carrier protein                               | AY032628     |            | NP 061049            |
|          |            | (MSCP)  |              |            |                      |
| 1113     | 0.001393   | nischarin (NISCH), mRNA /cds=(27,4541)                            | NM_007184    | Hs.26285   | NP_009115            |
|          |            | /gb=NM_007184 /gi=6005787   |              |            | _                    |
| <u> </u> |            | /ug=Hs.26285 /len=5132  |              | <u> </u>   | . *                  |
| 1134     | 0.000326   | cDNA FLJ30093 fis, clone  | AK054655     | Hs.349261  |                      |
|          |            | BNGH41000033. /gb=AK054655  |              |            | . *                  |
|          |            | /gi=16549241 /ug=Hs.349261 /len=2926                              |              |            |                      |
| 1196     | 0.000492   | FK506 binding protein 14, 22 kDa                                  | NM_017946    | Hs.264636  | NP_060416            |
|          |            | (FKBP14), mRNA /cds=(146,781)                                     | *            |            |                      |
|          |            | /gb=NM_017946 /gi=8923658   | *            | -8-        |                      |
| 4044     | 0.000464   | /ug=Hs.264636 /len=2248   | NINE 004'000 | U5.400544  | ND 007050            |
| 1241     | 0.000164   |   | NM_021229    | Hs.102541  | NP_067052            |
| ,        |            | /gb=NM_021229 /gi=24475651  |              | ·          |                      |
| 1259     | 4 15E 05   | /ug=Hs.102541 /len=3607<br>desmuslin (DMN), transcript variant A, | NM_145728    | Hs.10587   | NP_663780            |
| 1209     | 4.15E-05   | mRNA /cds=(121,4818) /gb=NM 145728                                | 140720       | I          | INF_0037.00          |
| * 0      | • •        | /gi≈22027637 /ug=Hs.10587 /len=7343                               |              | S. 188     |                      |
|          |            | /gi=22027037 /ug=113.10307 /lei1=7343                             | ſ            |            |                      |
| 1290     | 0.000959   | synaptic nuclei expressed gene 1 (SYNE-                           | NM 015293    | Hs 192102  | NP_598411            |
| 1200     |            | 1), transcript variant beta, mRNA                                 | 1.110.10200  | 110.102.02 | 000                  |
|          | 100        | /cds=(121,10086) /gb=NM_015293                                    |              | o .        | 0.00                 |
|          |            | /gi=19526752 /ug=Hs.192102 /len=10742                             | \            | •.         | *                    |
|          | • •        |   |              |            |                      |
| 1303     | 5.82E-05   | imageqc_6_2001/snk86bdrr81.y1                                     | BQ109159     | Hs.433575  | 20 0                 |
|          |            | NIH_MGC_12 cDNA clone   |              | ,          |                      |
|          | }          | IMAGE:5110111 5', mRNA sequence                                   | -            | · ·        |                      |
|          |            | /clone=IMAGE:5110111 /clone_end=5'                                |              |            |                      |
|          |            | /gb=BQ109159 /gi=20158813   | ₩.           |            | * : .                |
|          |            | /ug=Hs.433575 /len=604  |              |            |                      |
| 1340     | 0.000326   | structure specific recognition protein 1                          | NM_003146    | Hs.79162   | NP_003137            |
|          |            | (SSRP1), mRNA /cds=(275,2404)                                     |              | {          |                      |
|          |            | /gb=NM_003146 /gi=4507240   |              |            | 1                    |
| · .      |            | /ug=Hs.79162 /len=2839  |              |            | <u> </u>             |
| 1581     | 0.000521   | SH3 domain binding glutamic acid-rich                             | NM_031286    | Hs.109051  | NP_112576            |
|          |            | protein like 3 (SH3BGRL3), mRNA                                   |              |            |                      |
|          |            | /cds=(72,353) /gb=NM_031286                                       |              | ł          | 1                    |
| 4070     | 0.705.05   | /gi=13775197 /ug=Hs.109051 /len=764                               | 1114 044005  | U= 440000  | ND OFFFOR            |
| 1673     | 2.76E-05   | endoplasmic reticulum stress-inducible,                           | NM_014685    | Hs.146393  | NP_055500            |
| 21.5     |            | ubiquitin-like domain member 1                                    |              |            |                      |
|          | , ,        | (HERPUD1), mRNA /cds≈(96,1271)                                    |              |            |                      |
|          |            | /gb=NM_014685 /gi=7661869<br>/ug=Hs.146393 /len=1884              | f = =        | 0 =        | . 70                 |
| 1804     | 0.000100   | serine (or cysteine) proteinase inhibitor,                        | NM 006216    | Hs.21858   | NP_006207            |
| 1004     | 1 0.000108 | clade E (nexin, plasminogen activator                             | 14101_000210 | 113.21000  | _000207              |
|          |            | inhibitor type 1), member 2 (SERPINE2),                           | 1            | j i        |                      |
|          | ļ .        | mRNA /cds=(210,1406) /gb=NM_006216                                |              | · ·        |                      |
|          |            |   |              |            |                      |
| ť        | ,          | /gi=24307906 /ug=Hs.21858 /len=2129                               | }            |            |                      |

| Spot  | p-value   | Description  | Accession     | Unigene         | Protein       |
|-------|-----------|--|---------------|-----------------|---------------|
|       | 6         |  | •             |                 | Accession No. |
| 1813  | 0.000659  | chromosome 14 open reading frame 80                              | NM_173608     | Hs.72363        | NP_775879     |
|       |           | (C14orf80), mRNA /cds=(330,1076)                                 |               | ·               | •             |
|       | * * *     | /gb=NM_173608 /gi=27734692                                       |               | :·- : · · · · · | *             |
|       |           | /ug=Hs.72363 /len=1419   | *             | **              |               |
| 1843  | 0.000492  | CDK2-associated protein 1 (CDK2AP1),                             | NM_004642     | Hs.433201       | NP_004633     |
|       |           | mRNA /cds=(523,870) /gb=NM_004642                                |               |                 |               |
| 1010  |           | /gi=17978492 /ug=Hs.433201 /len=1627                             | 100045        |                 | ND 000700     |
| 1946  |           | sphingolipid activator protein 1                                 | J03015        | 11- 00000       | NP_002769     |
| 1982  | 0.000356  | ATP synthase, H transporting,                                    | NM_005176     | Hs.89399        | NP_005167     |
|       |           | mitochondrial F0 complex, subunit c                              |               | 1               |               |
| ;     | ,         | (subunit 9), isoform 2 (ATP5G2), mRNA                            |               | -               | ·             |
|       |           | /cds=(60,485) /gb=NM_005176<br>/gi=6671590 /ug=Hs.89399 /len=746 |               |                 |               |
| 2013  | 1 31E-05  | actinin, alpha 2 (ACTN2), mRNA                                   | NM_001103     | Hs.83672        | NP_001094     |
| 2019  | 4.5 IL-03 | /cds=(174,2858) /gb=NM_001103                                    | 11111_001103  | 113.00012       | 111 _001004   |
|       | i i       | /gi=4501892 /ug=Hs.83672 /len=4181                               |               |                 |               |
| 2065  | 1 38E-05  | tenascin C (hexabrachion) (TNC), mRNA                            | NM_002160     | Hs.289114       | NP_002151     |
| 4     |           | /cds=(314,6919) /gb=NM 002160                                    |               |                 |               |
| 4     |           | /gi=4504548 /ug=Hs.289114 /len=7560                              | *             |                 |               |
| 2135  | 0.001538  | hypothetical protein MDS025 (MDS025),                            | NM 021825     | Hs.154938       | NP_068597     |
|       |           | mRNA /cds=(363,1127) /gb=NM_021825                               |               | 1               |               |
| . 171 | 4         | /gi=21361605 /ug=Hs.154938 /len=1585                             |               |                 |               |
|       |           |  |               |                 |               |
| 2164  | 0.0012    | KIAA1074 protein (KIAA1074), mRNA                                | NM_014915     | Hs.129218       | NP_055730     |
|       | 1         | /cds=(151,5280) /gb=NM_014915                                    |               | *               |               |
|       |           | /gi=7662473 /ug=Hs.129218 /len=5360                              | 7. 7.2 - 2.2  |                 | <del></del>   |
| 2340  | 0.001393  | mRNA; cDNA DKFZp434F2311 (from                                   | AL137603      | Hs.233890       |               |
|       |           | clone DKFZp434F2311) /gb=AL137603                                | ) ·           |                 |               |
| 2204  | 0.000464  | /gi=6808349 /ug=Hs.233890 /len=842                               | NIM OCCUPE    | 110 10042       | NP 006316     |
| 2394  | 0.000164  | RAN, member RAS oncogene family (RAN), mRNA /cds=(115,765)       | NM_006325     | Hs.10842        | NP_006316     |
|       | İ         | /gb=NM_006325 /gi=6042206  |               |                 |               |
| 7     |           | /ug=Hs.10842 /len=1656   | ·             | ,               | - *           |
| 2418  | 5.82F-05  | RAN binding protein 1 (RANBP1), low                              | NM_002882     |                 | NP_002873     |
| 2410  | 0.022     | Imatch   | 11111_002002  |                 | 111 _0020;0   |
| 2434  | 0.000316  | small nuclear ribonucleoprotein D3                               | NM 004175     | Hs.1575         | NP_004166     |
| 7.0   | 1         | polypeptide 18kDa (SNRPD3), mRNA                                 |               |                 |               |
|       | ,         | /cds=(88,468) /gb=NM_004175                                      | ·             | ·               |               |
|       | - ×       | /gi=4759159 /ug=Hs.1575 /len=626                                 |               |                 |               |
| 2490  | 0.000417  | gonadotropin-releasing hormone receptor                          | NM_000406     | Hs.73064        | NP_000397     |
|       |           | (GNRHR), mRNA /cds=(1749,2735)                                   | <b>▽</b>      |                 |               |
| ·     | 1         | /gb=NM_000406 /gi=4504058  |               |                 |               |
|       | ļ         | /ug=Hs.73064 /len=2735   |               |                 |               |
| 2584  | 0.000316  | mRNA for KIAA0627 protein, partial cds.                          | AB014527      | Hs.108614       | BAA31602.1    |
| - 7   | .,.       | /cds=(1,3976) /gb=AB014527                                       |               |                 | w = 5 =       |
|       | 0.000     | /gi=3327067 /ug=Hs.108614 /len=5614                              | 0104: 05 1515 |                 | NO 00 100     |
| 2748  | 0.00051   | serologically defined colon cancer antigen                       | NM_004713     |                 | NP_004704     |
| L     | <u> </u>  | 1 (SDCCAG1)  |               |                 | 1             |

| Spot               | p-value                                | Description                                 | Accession     | Unigene       | Protein<br>Accession<br>No. |
|--------------------|--|---|---------------|---------------|-----------------------------|
| 2773               | 0.000326                               | nucleosome assembly protein 1-like 1        | NM_139207     | Hs.302649     | NP_631946                   |
| , 2770             | 0.000020                               | (NAP1L1), transcript variant 1, mRNA        |               |               |                             |
| ,-                 | ,                                      | /cds=(125,1300) /gb=NM_139207               |               |               | e 18 1                      |
|                    |  | /gi=21327707 /ug=Hs 302649 /len=3582        |               |               | . **                        |
| 2790               | 2 76F-05                               | choroideremia (Rab escort protein 1)        | NM_000390     | Hs.2010       | NP_000381                   |
| 2130               | 2.702-00                               | (CHM), transcript variant 2950156, mRNA     | Tim_000000    | 113.2010      |                             |
|                    | · ·                                    | /cds=(31,1992) /gb=NM_000390                | *             | iy.           | 1                           |
|                    |  | /gi=9966760 /ug=Hs.2010 /len=2115           |               |               |                             |
| 2847               | 1 38F-05                               | lysosomal-associated membrane protein       | NM_013995     | Hs.8262       | NP_054701                   |
| 40 <del>.1</del> 1 | 1.502-05                               | 2 (LAMP2), transcript variant LAMP2B,       | 14111_0 10000 | 113.0202      |                             |
| :                  | l '                                    | mRNA /cds=(138,1370) /gb=NM_013995          |               |               |                             |
|                    | , .                                    | /gi=7669502 /ug=Hs.8262 /len=4006           |               |               |                             |
| •                  | l                                      | /g =/009302/ug=H\$.8202/left=4000<br>       |               | 1             |                             |
| 2912               | 0.000402                               | KIAA0690 protein (KIAA0690), mRNA           | NM_015179     | Hs.60103      | NP_055994                   |
| 2912               | 0.000492                               | /cds=(87,3980) /gb=NM_015179                | 14141_013179  | 115.00103     | NF_000994                   |
|                    |  |   |               |               |                             |
| 2020               | 4.405.00                               | /gi=15987120 /ug=Hs.60103 /len=4396         | NIM 020444    | Hs.155986     | NP 065147                   |
| 2926               | 1.12E-06                               | DEAD/H (Asp-Glu-Ala-Asp/His) box            | NM_020414     | ITIS. 155900  | INP_005147                  |
| *                  | 1                                      | polypeptide 24 (DDX24), mRNA                | *             |               |                             |
|                    |  | /cds=(100,2679) /gb=NM_020414               |               |               |                             |
|                    |  | /gi=14251213 /ug=Hs.155986 /len=2967        |               | 10 -70 -22 -2 | L                           |
| 3013               | 3.34E-06                               | uncharacterized hematopoietic               | NM_018466     | Hs.110853     | NP_060936                   |
|                    |  | stem/progenitor cells protein MDS031        | 4 Z           | •             |                             |
| -                  |  | (MDS031), mRNA /cds=(35,532)                |               |               |                             |
| ,                  | 1                                      | /gb=NM_018466 /gi=20070304                  | ·             |               | · v                         |
| •                  |  | /ug=Hs.110853 /len=1358                     |               |               | 3                           |
| 3017               | 0.0012                                 | DC6 protein (DC6), mRNA /cds=(162,467)      | NM_020189     | Hs.283740     | NP_064574                   |
|                    |  | /gb=NM_020189 /gi=9910185                   | ·             |               |                             |
|                    |  | /ug=Hs.283740 /len=676                      | *             |               |                             |
| 3029               | 0.000927                               | Yip1p-interacting factor (YIF1P), mRNA      | NM_020470     | Hs.406422     | NP_065203                   |
|                    | 100                                    | /cds=(116,997) /gb=NM 020470                |               | 0.            |                             |
|                    |  | /gi=9994168 /ug=Hs.406422 /len=1078         |               |               |                             |
| 3062               | 0.000117                               | myosin, light polypeptide, regulatory, non- | NM_006471     | Hs.180224     | NP 006462                   |
| •                  | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | sarcomeric (20kD) (MLCB), mRNA              |               |               | . –                         |
|                    |  | /cds=(115,630) /gb=NM_006471                |               | ·             |                             |
|                    | *                                      | /gi=5453739 /ug=Hs.180224 /len=944          |               |               |                             |
| 3137               | 0.00121                                | yp24c06.s1 Soares breast 3NbHBst cDNA       | H43642        | Hs.418241     | <del> </del>                |
| .0.101             | 0.00121                                | clone IMAGE:188362 3' similar to            | 1             |               |                             |
|                    |  | gb:M10942_cds1 metallothionein-le gene      |               |               |                             |
|                    |  | mRNA sequence /clone=IMAGE:188362           |               |               |                             |
|                    |  | /clone_end=3' /gb=H43642 /gi=919694         | 4.5           |               |                             |
|                    |  |   | ,             | 8             | 4                           |
|                    |  | /ug=Hs.418241 /len=452                      |               |               |                             |
| 2101               | 0.000504                               | protoin phosphatago 24 regulatory           | NM_021131     | Hs.400740     | NP_821070                   |
| 3181               | 0.000521                               | protein phosphatase 2A, regulatory          | 14141-051131  | 115.400740    | JUL _02 10/0                |
|                    |  | subunit B' (PR 53) (PPP2R4), mRNA           |               |               |                             |
|                    |  | /cds=(190,1161) /gb=NM_021131               |               | 1             |                             |
|                    | 1 0 0 = 0                              | /gi=10880986 /ug=Hs.400740 /len=2661        | 1000040       | 115 50407     | ND 000505                   |
| 3185               | 3.07E-05                               | mRNA for repressor protein, partial cds.    | D30612        | Hs.58167      | NP_003566                   |
|                    |  | /cds=(1,2157) /gb=D30612 /gi=2723456        |               | 0.5           |                             |
|                    |  | /ug=Hs.58167 /len=3737                      |               |               |                             |

| Spot   | p-value                                 | Description   | Accession     | Unigene                                      | Protein             |
|--------|---|---|---------------|--|---------------------|
| - •    | ·                                       |   | :             |  | Accession No.       |
| 3246   | 0.000295                                | UI-E-EJ0-ail-e-04-0-UI.r1 UI-E-EJ0 cDNA                                       | BM727687      | Hs.446532                                    | NP 079466.1         |
|        | -4                                      | clone UI-E-EJ0-ail-e-04-0-UI 5', mRNA   |               |  | -                   |
|        | ece e                                   | sequence /clone=UI-E-EJ0-ail-e-04-0-UI  |               | ÷  |                     |
|        | 7                                       | /clone_end=5' /gb=BM727687  | •             |  |                     |
| -      |   | /gi=19049020 /ug=Hs.446532 /len=1103  |               |  | *                   |
| 3266   | 0.000386                                | DKFZP564C186 protein  | NM_015658     | Hs.134200                                    | NP_056473           |
|        | -                                       | (DKFZP564C186), mRNA /cds=(16,2265)   |               | y.   |                     |
|        |   | /gb=NM_015658 /gi=7661605   |               |  |                     |
|        |   | /ug=Hs.134200 /len=2762   |               |  |                     |
| 3308   | 3.33E-05                                | putative breast adenocarcinoma marker   | NM_014453     | Hs.12107                                     | NP_055268           |
|        | 7                                       | (32kD) (BC-2), mRNA /cds=(130,798)  | 6             |  |                     |
|        |   | /gb=NM_014453 /gi=7656921   |               |  | . 5                 |
|        |   | /ug=Hs.12107 /len=903   |               |  | ·                   |
| 3321   | 0.000448                                | KIAA0097 gene product (KIAA0097),   | NM_014756     | Hs.76989                                     | NP_055571           |
|        |   | mRNA /cds=(27,5945) /gb=NM_014756   |               |  |                     |
|        | 1 S 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | /gi=24307972 /ug=Hs.76989 /len=6449   | 77.           |  |                     |
| 3331   | 0.001616                                | ectonucleotide  | NM_006208     | Hs.11951                                     | NP_006199           |
|        |   | pyrophosphatase/phosphodiesterase 1   |               |  | ,                   |
| 4      |   | (ENPP1), mRNA /cds=(173,2794)   |               |  |                     |
|        |   | /gb=NM_006208 /gi=13324676  | ù.            |  |                     |
| 100    |   | /ug=Hs.11951 /len=3493  |               | 1  |                     |
| 3385   | 5.44E-07                                | SMC4 structural maintenance of  | NM_005496     | Hs.50758                                     | NP_005487           |
|        |   | chromosomes 4-like 1 (yeast) (SMC4L1),  |               |  | ·                   |
| 9      | j.                                      | mRNA /cds=(233,4099) /gb=NM_005496  |               |  |                     |
|        |   | /gi=21361251 /ug=Hs.50758 /len=5261   |               | . 0  |                     |
| 0000   | 0.045.05                                | 001404  |               |  |                     |
| 3396   | 3.64E-05                                | CGI-121 protein (CGI-121), mRNA   | NM_016058     | Hs.433212                                    | NP_057142           |
| P.     | V 111 **                                | /cds=(107,634) /gb=NM_016058  |               | 01 *   |                     |
| 0440   | 0.004440                                | /gi=7705589 /ug=Hs.433212 /len=703  | 1114 00 100 1 | 11 20-01                                     |                     |
| 3418   | 0.001449                                | syntaxin 4A (placental) (STX4A), mRNA   | NM_004604     | Hs.83/34                                     | NP_004595           |
| *· (±) |   | /cds=(234,1127) /gb=NM_004604   |               |  |                     |
| 2564   | 0.000000                                | /gi=20149559 /ug=Hs.83734 /len=1412   | 4500450       | 11- 000570                                   | 4 4 D 0 0 0 0 7 . 4 |
| 3561   | 0.000636                                | IkB kinase-b (IKK-beta) mRNA, complete  | AF080158      | Hs.226573                                    | AAD08997.1          |
|        |   | cds /cds=(144,2414) /gb=AF080158  |               |  | ν.                  |
|        | 8.                                      | /gi=4185274 /ug=Hs.226573 /len=3058   |               | *  | '                   |
| 3625   | 0.001021                                | UI-E-CQ1-aev-g-12-0-UI.s1 UI-E-CQ1  | DMCCC 407     | Uo 270906                                    | 101007              |
| 3023   | 0.001021                                |   | BM666437      | Hs.279806                                    | JC1087              |
| . 3    |   | cDNA clone UI-E-CQ1-aev-g-12-0-UI 3',<br>mRNA sequence /clone=UI-E-CQ1-aev-g- | 4             |  |                     |
|        |   | 12-0-UI /clone_end=3' /gb=BM666437  |               |  |                     |
|        |   |   |               |  | * -                 |
| 3650   | 0.00442                                 | /gi=18974127 /ug=Hs.279806 /len=1103<br>hypothetical protein FLJ10326         | NIM 049060    | Un 262022                                    | ND 060500           |
| - 3050 | 0.00143                                 | (FLJ10326), mRNA /cds=(3,2297)  | NM_018060     | Hs.262823                                    | NP_060530           |
|        |   | /gb=NM_018060 /gi=8922355   |               |  |                     |
|        | * .                                     | /ug=Hs:262823 /len=3016   |               |  |                     |
|        |   | /uy=113:202023 /1011-30 10  | l             | <u>.                                    </u> | <u> </u>            |

| Spot        | p-value  | Description  | Accession                             | Unigene   | Protein                 |
|-------------|----------|--|---------------------------------------|-----------|-------------------------|
|             |          |  |                                       |           | Accession               |
| 3685        | 0.001021 | SWI/SNF related, matrix associated, actin                                  | NM 003079                             | Hs.332848 | <b>No.</b><br>NP 003070 |
|             |          | dependent regulator of chromatin,  | _                                     |           | -                       |
|             | - 4      | subfamily e, member 1 (SMARCE1),   |                                       |           |                         |
|             | *.       | mRNA /cds=(122,1357) /gb=NM_003079<br>/gi=21264354 /ug=Hs.332848 /len=1576 |                                       |           |                         |
|             |          | /gi=21204334 /dg=113.332040 /ieii=1370                                     |                                       | ***       |                         |
| 3686        | 3.07E-05 | autism susceptibility candidate 2 (AUTS2),                                 | NM_015570                             | Hs.32168  | NP_056385               |
|             |          | mRNA /cds=(322,4101) /gb=NM_015570<br>/gi=17864089 /ug=Hs.32168 /len=5972  | · .                                   | 1         |                         |
|             |          | /gi=176040697ug=Hs.321667left=3972   | *                                     |           |                         |
| 3701        | 0.000356 | nudix (nucleoside diphosphate linked                                       | NM_024047                             | Hs.301789 | NP_076952               |
| *           |          | moiety X)-type motif 9 (NUDT9), mRNA                                       |                                       |           |                         |
|             | *        | /cds=(326,1378) /gb=NM_024047<br>/gi=20127621 /ug=Hs.301789 /len=1718      |                                       |           |                         |
| 3721        | 0.001393 | apoptosis-associated speck-like protein                                    | NM_013258                             | Hs.71869  | NP_660184               |
|             |          | containing a CARD (ASC), transcript  |                                       |           |                         |
|             |          | variant 1, mRNA /cds=(241,828)   |                                       | - V       |                         |
|             |          | /gb=NM_013258 /gi=22035618<br>/ug=Hs.71869 /len=936                        |                                       | 1.0       |                         |
| 3731        | 0.000521 | prosaposin (variant Gaucher disease and                                    | NM_002778                             | Hs.406455 | NP_002769               |
|             |          | variant metachromatic leukodystrophy)                                      |                                       |           | *                       |
|             | _        | (PSAP), mRNA /cds=(39,1613)<br>/gb=NM 002778 /gi=11386146                  |                                       | **        | ÷ .                     |
| *           | ,a       | /ug=Hs.406455 /len=2767  |                                       | * 4.      |                         |
| 3792        | 1.38E-05 | guanine nucleotide binding protein (G                                      | NM_002074                             | Hs.215595 | NP_002065               |
|             | •        | protein), beta polypeptide 1 (GNB1),<br>mRNA /cds=(333,1355) /gb=NM_002074 | ·                                     |           | (1)                     |
|             |          | /gi=20357526 /ug=Hs.215595 /len=3147                                       |                                       | -         |                         |
|             |          |  |                                       |           |                         |
| 3903        | 0.000356 | carbohydrate (keratan sulfate Gal-6)                                       | NM_003654                             | Hs.104576 | NP_003645               |
|             |          | sulfotransferase 1 (CHST1), mRNA<br>/cds=(367,1602) /gb=NM 003654          |                                       |           | *                       |
| 13          |          | /gi=4502840 /ug=Hs.104576 /len=2415  |                                       |           |                         |
| 3941        | 0.000356 | pinin, desmosome associated protein  | NM_002687                             | Hs.44499  | NP_002678               |
|             |          | (PNN), mRNA /cds=(31,2262)<br>/gb=NM_002687 /gi=4505922                    |                                       |           |                         |
|             |          | /ug=Hs.44499 /len=2617   |                                       |           | ·                       |
| 4142        | 1.09E-05 | chromosome 14 open reading frame 92  | NM_014828                             | Hs.194035 | NP_055643               |
| : .         |          | (C14orf92), mRNA /cds=(33,1898)  | *                                     |           |                         |
|             |          | /gb=NM_014828 /gi=7662273<br>/ug=Hs.194035 /len=4174                       | · · · · · · · · · · · · · · · · · · · |           | ÷                       |
| 4177        | 0.000356 | connective tissue growth factor (CTGF),                                    | NM_001901                             | Hs.75511  | NP_001892               |
|             |          | mRNA /cds=(146,1195) /gb=NM_001901   |                                       |           |                         |
| 1           |          | /gi=4503122 /ug=Hs.75511 /len=2312   |                                       |           | *                       |
| 4209        | 7.4E-05  | cDNA FLJ39491 fis, clone   | AK096810                              | Hs.274170 | NP 852480               |
|             |          | PROST2015924, weakly similar to Opa-                                       |                                       |           |                         |
|             |          | interacting protein OIP2 mRNA.   |                                       |           |                         |
|             |          | /gb=AK096810 /gi=21756383<br>/ug=Hs-274170 /len=2835                       |                                       |           |                         |
| <del></del> | L        | 1.45 1.5.27 11 0 non 2000  | <u>L</u>                              | ļ         |                         |

| Spot | p-value     | Description   | Accession   | Unigen      | Protein<br>Accession |
|------|-------------|---|-------------|-------------|----------------------|
| 4007 | 0.00000     | miles a constant of the CAS (DDCAS) and DNA             | NA 004040   | 11- 400000  | No.                  |
| 4227 | 0.000298    | ribosomal protein S15 (RPS15), mRNA                     | NM_001018   | Hs.406683   | NP_001009            |
|      |             | /cds=(47,484) /gb=NM_001018                             |             | *           | 4                    |
| 4000 | 0.000.05    | /gi=14591911 /ug=Hs.406683 /len=515                     | NIM 040070  | 11: 4000    | ND 00000E            |
| 4229 | 8.62E-05    | chaperonin containing TCP1, subunit 5                   | NM_012073   | Hs.1600     | NP_036205            |
|      | , , , , ,   | (epsilon) (CCT5), mRNA /cds=(92,1717)                   | *           |             |                      |
|      | 0           | /gb=NM_012073 /gi=24307938                              |             |             |                      |
| 4400 | 4 4 E E O E | /ug=Hs.1600 /len=1961<br>mRNA; cDNA DKFZp762O1615 (from | AL OFOFFO   | 11- 004050  | ere e some tree      |
| 4400 | 4.15E-05    |   | AL359558    | Hs.284252   |                      |
| i    |             | clone DKFZp762O1615) /gb=AL359558                       |             |             | 14 1                 |
| 4447 | 0.000504    | /gi=8655613 /ug=Hs.284252 /len=2340                     | NINA 000700 | 11. 00040   | ND 000757            |
| 4447 | 0.000521    | runt-related transcription factor binding               | NM_006766   | Hs.82210    | NP_006757            |
|      |             | protein 2 (RUNXBP2), mRNA                               |             | , , , , , , |                      |
|      | ÷ •         | /cds=(394,6408) /gb=NM_006766                           |             | *           |                      |
| 111  |             | /gi=5803097 /ug=Hs.82210 /len=7869                      |             |             |                      |
| 4631 | 1.38E-05    | chemokine (C-X-C motif) ligand 9                        | NM_002416   | Hs.77367    | NP_002407            |
| ÷    |             | (CXCL9), mRNA /cds=(40,417)                             |             | , ,         | 7                    |
|      | ÷ . •       | /gb=NM_002416 /gi=4505186                               | -           | 9)(-        |                      |
|      |             | /ug=Hs.77367 /len=2545                                  |             |             |                      |
| 4689 | 0.000659    | t-complex-associated-testis-expressed 1-                | NM_006520   | Hs.446392   | NP_006511            |
|      |             | like (TCTE1L), mRNA /cds=(69,419)                       | 3           |             |                      |
| ē .  |             | /gb=NM_006520 /gi=5730086                               |             |             |                      |
|      |             | /ug=Hs.446392 /len=2156                                 |             |             |                      |
| 4770 | 0.000569    | endoplasmic reticulum stress-inducible,                 | NM_014685   | Hs.146393   | NP_055500            |
|      |             | ubiquitin-like domain member 1                          |             |             |                      |
|      |             | (HERPUD1), mRNA /cds=(96,1271)                          |             | · ·         |                      |
|      |             | /gb=NM_014685 /gi=7661869                               | *           |             |                      |
| • 1  |             | /ug=Hs.146393 /len=1884                                 | 3.          |             |                      |
| 4845 | 0.000356    | melanoma antigen, family D, 1                           | NM_006986   | Hs.5258     | NP_008917            |
| •    | ٠,          | (MAGED1), mRNA /cds=(143,2479)                          |             |             | *                    |
|      | : 0         | /gb=NM_006986 /gi=14195633                              | *           |             | 200                  |
|      |             | /ug=Hs.5258 /len=2713                                   | 1.00        |             | *                    |
| 4858 | 0.001393    | AGENCOURT_8819408 NIH_MGC_18                            | BQ941317    | Hs.443078   | 8                    |
|      |             | cDNA clone IMAGE:6422878 5', mRNA                       |             |             | 07                   |
|      |             | sequence /clone=IMAGE:6422878                           |             |             |                      |
|      |             | /clone_end=5' /gb=BQ941317                              |             |             |                      |
|      |             | /gi=22356795 /ug=Hs.443078 /len=929                     |             |             | :                    |
| 4927 | 0.000153    | palmdelphin (PALMD), mRNA                               | NM_017734   | Hs.14606    | NP_060204            |
|      |             | /cds=(286,1941) /gb=NM_017734                           | _           |             |                      |
|      | *           | /gi=16306484 /ug=Hs.14606 /len=2581                     |             | • •         | ;                    |
| 4975 | 2.54E-05    | hypothetical protein MGC2747                            | NM_024104   | Hs.194017   | NP 077009            |
|      | · .         | (MGC2747), mRNA /cds=(93,248)                           |             |             | <del>-</del>         |
| ,    |             | /gb=NM_024104 /gi=13129111                              |             |             | *                    |
|      |             | /ug=Hs.194017 /len=1171                                 |             |             |                      |
| 5090 | 9.46E-06    | U3 small nuclear RNA gene                               | M14061      |             | ;                    |
| 5117 |             | dynein, cytoplasmic, light polypeptide 1                | NM_003746   | Hs.5120     | NP_003737            |
|      |             | (DNCL1), mRNA /cds=(94,363)                             | _ `         |             |                      |
|      |             | /gb=NM_003746 /gi=4505812                               |             | 1           |                      |
|      | Į.          | /ug=Hs.5120 /len=643                                    |             |             |                      |

| Spot                | p-value   | Description  | Acc ssion     | Unigen        | Protein          |
|---------------------|-----------|--|---------------|---------------|------------------|
|                     |           |  |               |               | Accession<br>No. |
| 5204                | 0.000882  | stathmin-like 3 (STMN3), mRNA                            | NM_015894     | Hs.285753     | NP_056978        |
| . :                 |           | /cds=(83,625) /gb=NM_015894                              |               |               | 1 1              |
|                     |           | /gi=14670374 /ug=Hs.285753 /len=2255                     |               |               |                  |
| 5207                | 0.000746  | v-maf musculoaponeurotic fibrosarcoma                    | NM_005360     | Hs.30250      | NP_005351        |
|                     |           | oncogene (avian) (MAF), mRNA                             |               |               |                  |
|                     | *         | /cds=(808,2019) /gb=NM_005360                            | 8             | Y .           |                  |
|                     |           | /gi=5453735 /ug=Hs.30250 /len=2145                       |               |               | V 2 12           |
| 5243                | 0.000326  | chromosome 14 open reading frame 2                       | NM_004894     | Hs.109052     | NP_004885        |
|                     | Ĭ.        | (C14orf2), mRNA /cds=(61,237)                            |               |               |                  |
|                     |           | /gb=NM_004894 /gi=4758939                                | - 2           |               | 10               |
| 5000                | 0.000050  | /ug=Hs.109052 /len=627                                   | NIN 1 00 4770 | 11. 0040      | ND 007707        |
| 5338                | 0.000356  | thyroid hormone receptor interactor 3                    | NM_004773     | Hs.2210       | NP_004764        |
| *                   |           | (TRIP3), mRNA /cds=(39,506)                              |               |               |                  |
|                     |           | /gb=NM_004773 /gi=22094078                               |               |               | ,,,              |
| 5202                | 0.004.440 | /ug=Hs.2210 /len=950                                     | NIM 044570    | 115 42044     | ND OFFICE        |
| 5383                | 0.001449  | ADP-ribosylation factor GTPase activating                | NM_014570     | Hs.13014      | NP_055385        |
|                     |           | protein 3 (ARFGAP3), mRNA                                |               | * '           |                  |
|                     |           | /cds=(39,1589) /gb=NM_014570                             | *             |               |                  |
| F206:               | 0.000061  | /gi=20070254 /ug=Hs.13014 /len=2666                      | AV026775      |               | ND 003609        |
| 5396                | 0.000951  | Hypothetical protein(cDNA: FLJ23122 fis, clone LNG08008) | AK026775      |               | NP_003608        |
| 5411                | 0.000560  | DKFZp566J2446 (from clone                                | AL050082      | The second of | NP_008944        |
| . J <del>a</del> 11 | 0.000,000 | DKFZp566J2446)   | AL030002      |               | 1000344          |
| 5653                | 2 57F-05  | glypican 3 (GPC3), mRNA                                  | NM 004484     | Hs.119651     | NP 004475        |
|                     | ,         | /cds=(191,1933) /gb=NM_004484                            | 00;01         |               |                  |
|                     |           | /gi=5360213 /ug=Hs.119651 /len=2382                      |               |               |                  |
| 5654                | 0.000882  |  | U07802        |               | AAA91778.1       |
| 5767                |           | hypothetical gene supported by AL449243                  | NM 033318     | Hs.306083     | NP_201575        |
| •                   |           | (LOC91689), mRNA /cds=(80,403)                           |               | 'i .          | _                |
| o .                 |           | /gb=NM_033318 /gi=21314768                               |               |               | :                |
|                     |           | /ug=Hs.306083 /len=1586                                  | •             | ·,            |                  |
| 5810                | 3.64E-05  | non-metastatic cells 2, protein (NM23B)                  | NM_002512     | Hs.433416     | NP_002503        |
| 0.                  |           | expressed in (NME2), nuclear gene                        |               |               |                  |
|                     |           | encoding mitochondrial protein, mRNA                     | * *           |               |                  |
|                     |           | /cds=(73,531) /gb=NM_002512                              | 14            |               | 1                |
|                     |           | /gi=4505408 /ug=Hs.433416 /len=670                       |               |               | 7                |
| 5826                | 0.001616  | ribosomal protein L13a (RPL13A), mRNA                    | NM_012423     | Hs.389335     | NP_036555        |
|                     | ,         | /cds=(23,634) /gb=NM_012423                              |               |               | * *              |
|                     |           | /gi=14591905 /ug=Hs.389335 /len=1142                     |               |               | :                |
| 5941                | 8.5E-06   | ubiquitin-protein isopeptide ligase (E3)                 | NM_014671     | Hs.155287     | NP_055486        |
|                     |           | (KIAA0010), mRNA /cds=(304,3555)                         |               |               |                  |
|                     |           | /gb=NM_014671 /gi=7661855                                |               |               | ·                |
|                     |           | /ug=Hs.155287 /len=5160                                  |               |               |                  |
| 6027                | 0.000356  | mesenchyme homeo box 2 (growth arrest-                   | NM_005924     | Hs.77858      | NP_005915        |
|                     |           | specific homeo box) (MEOX2), mRNA                        | 8             |               |                  |
|                     | [         | /cds=(182,1093) /gb=NM_005924                            |               |               |                  |
|                     | Ť.        | /gi=21396478 /ug=Hs.77858 /len=2284                      |               | · · ·         | ·                |
|                     | 1         | <u> </u>   | Ý             | 1             | L                |

| Spot | p-value  | Description  | Accession | Unigene   | Protein<br>Accession<br>No. |
|------|----------|--|-----------|-----------|-----------------------------|
| 6046 |          | KIAA0092 gene product (KIAA0092),<br>mRNA /cds=(54,1478) /gb=NM_014679<br>/gi=7661899 /ug=Hs.151791 /len=2913  | NM_014679 | Hs.151791 | NP_055494                   |
| 6202 |          | Si-1-8-16 mRNA, partial cds  | AB044752  |           | NP 061130                   |
| 6360 |          | heterogeneous nuclear ribonucleoprotein<br>D-like (HNRPDL), transcript variant 1,<br>mRNA /cds=(581,1843) /gb=NM_005463<br>/gi=14110410 /ug=Hs.372673 /len=3514  | NM_005463 | Hs.372673 | NP_112740                   |
| 6458 | 9.46E-06 | mitochondrion, complete genome   | NC 001807 |           |                             |
| 6491 |          | RecQ protein-like (DNA helicase Q1-like) (RECQL), transcript variant 1, mRNA /cds=(472,2421) /gb=NM_002907 /gi=14591903 /ug=Hs.235069 /len=2866                  | NM_002907 | Hs 235069 | NP_116559                   |
| 6510 | 0.001449 | UI-H-DT0-atx-f-13-0-UI.s1<br>NCI_CGAP_DT0 cDNA clone<br>IMAGE:5865612 3', mRNA sequence  | BM994157  | Hs.406666 | 1                           |
| 4 4  |          | /clone=IMAGE:5865612 /clone_end=3'<br>/gb=BM994157 /gi=19719058<br>/ug=Hs.406666 /len=1283   |           |           |                             |
| 6526 | 0.001021 | sequestosome 1 (SQSTM1), mRNA<br>/cds=(41,1363) /gb=NM_003900<br>/gi=19923742 /ug=Hs.182248 /len=2870  | NM_003900 | Hs.182248 | NP_003891                   |
| 6595 | 8.62E-05 | H factor 1 (complement) (HF1), mRNA<br>/cds=(74,3769) /gb=NM_000186<br>/gi=4504374 /ug=Hs.250651 /len=3926   | NM_000186 | Hs.250651 | NP_000177                   |
| 6622 |          | aquaporin 1 (channel-forming integral<br>protein, 28kDa) (AQP1), mRNA<br>/cds=(39,848) /gb=NM_000385<br>/gi=4755121 /ug=Hs.76152 /len=1662                       | NM_000385 | Hs.76152  | NP_000376                   |
| 6663 | 0.000298 | PRO0461 protein (PRO0461), mRNA<br>/gb=NM_031268 /gi=20588827<br>/ug=Hs.25063 /len=1100  | NM_031268 | Hs.25063  | Q9UI25                      |
| 6733 | 1.38E-05 | putative transmembrane protein (NMA),<br>mRNA /cds=(373,1155) /gb=NM_012342<br>/gi=6912533 /ug=Hs.78776 /len=1521  | NM_012342 | Hs.78776  | NP_036474                   |
| 6901 | 0.000983 | cDNA FLJ34353 fis, clone<br>FEBRA2011665. /cds=(178,573)<br>/gb=AK091672 /gi=21750096<br>/ug=Hs.13477 /len=3517  | AK091672  | Hs.13477  | BAC03718.1                  |
| 6925 | 0.000298 | mitochondrial ribosomal protein S22 (MRPS22), nuclear gene encoding mitochondrial protein, mRNA /cds=(9,1091) /gb=NM_020191 /gi=16554602 /ug=Hs.107127 /len=1155 | NM_020191 | Hs.107127 | NP_064576                   |

| Spot               | p-valu        | Description                                | Accession    | Unigene    | Protein<br>Accession |
|--------------------|---------------|--|--------------|------------|----------------------|
|                    |               |  |              |            | No.                  |
| 6962               | 2 03F-05      | hypothetical protein FLJ10377              | NM_018077    | Hs 274263  | NP_060547            |
|                    |               | (FLJ10377), mRNA /cds=(116,2395)           |              |            |                      |
|                    |               | /gb=NM_018077 /gi=8922387                  |              |            |                      |
|                    |               | /ug=Hs.274263 /len=2809                    | ·            |            |                      |
| 6999               | 0.000298      | ring finger protein 20 (RNF20), mRNA       | NM_019592    | Hs.168095  | NP_062538            |
|                    | 0.000200      | /cds=(91,3018) /gb=NM 019592               |              |            |                      |
| ,4                 |               | /gi=16554452 /ug=Hs.168095 /len=3936       |              | - 54       |                      |
| 7030               | 1.38F-05      | CD74 antigen (invariant polypeptide of     | NM_004355    | Hs.84298   | NP_004346            |
| , , ,              | 1.002 00      | major histocompatibility complex, class II |              | 1.10.01200 |                      |
| +1                 |               | antigen-associated) (CD74), mRNA           |              |            |                      |
|                    |               | /cds=(8,706) /gb=NM_004355                 |              |            | ;                    |
|                    | 1             | /gi=10835070 /ug=Hs.84298 /len=1304        |              |            |                      |
| 7142               | 0.001116      | eukaryotic translation elongation factor 1 | NM_001402    | Hs.422118  | NP_001393            |
| . 1 <del>.42</del> | 0.001110      | alpha 1 (EEF1A1), mRNA /cds=(63,1451)      | 14141_001402 | 113.422110 | 141 _00 1333         |
|                    | , ,           | /gb=NM_001402 /gi=25453469                 | -            |            |                      |
|                    |               | /ug=Hs.422118 /len=1837                    |              |            |                      |
| 7287               | 0.000403      | mRNA; cDNA DKFZp586E1624 (from             | AL110152     | Hs.94030   |                      |
| 1201,              | 0.000432      | clone DKFZp586E1624) /gb=AL110152          | AL1 10132    | 113.54000  |                      |
| 5                  | ,             | /gi=5817054 /ug=Hs.94030 /len=1341         |              |            |                      |
| 7382               | 0.000316      | cortactin binding protein 2 (CORTBP2),     | NM 033427    | He 203530  | NP_219499            |
| 1302               | 0.000310      | mRNA /cds=(93,5084) /gb=NM_033427          | NIVI_033421  | 115.293339 | NF_2 19499           |
|                    |               |  |              |            |                      |
| 7200               | 0.000463      | /gi=16975495 /ug=Hs.293539 /len=5975       | NIM 000426   | Ho 75270   | NP_000417            |
| 7398               | 0.000463      | laminin, alpha 2 (merosin, congenital      | NM_000426    | Hs.75279   | INP_0004,17          |
|                    | 3             | muscular dystrophy) (LAMA2), mRNA          | +            |            |                      |
| *                  |               | /cds=(50,9382) /gb=NM_000426               |              |            |                      |
| 7400               | 0.004004      | /gi=4557708 /ug=Hs.75279 /len=9534         | NINA 000 474 | 11- 00400  | ND 005007            |
| 7420               | 0.001021      | UDP-N-acetyl-alpha-D-                      | NM_020474    | Hs.80120   | NP_065207            |
|                    | 8             | galactosamine:polypeptide N-               | •            |            | - X -                |
|                    |               | acetylgalactosaminyltransferase 1          |              | . **       | e 8                  |
|                    |               | (GalNAc-T1) (GALNT1), mRNA                 |              |            |                      |
|                    |               | /cds=(32,1711) /gb=NM_020474               |              | * .        | ,                    |
|                    | 2 2 2 2 1 5 2 | /gi=13124890 /ug=Hs.80120 /len=3778        | 201511       | -          | NID OFFICE           |
| 7556               | 0.000173      | interleukin enhancer binding factor 1      | NM_004514    | Hs.296281  | NP_852096            |
| 0                  |               | (ILF1), mRNA /cds=(198,2165)               |              | 7          |                      |
|                    |               | /gb= <b>NM_</b> 004514 /gi=4758599         | · ·×- ·      | J          |                      |
|                    |               | /ug=Hs.296281 /len=3059                    |              |            | 115 00000            |
| 7725               | 8.5E-06       | proteasome (prosome, macropain)            | NM_002794    | Hs.432607  | NP_002785            |
|                    |               | subunit, beta type, 2 (PSMB2), mRNA        | 1.           |            |                      |
| :                  | .)(-          | /cds=(111,716) /gb=NM_002794               | 1            |            |                      |
|                    |               | /gi=22538463 /ug=Hs.432607 /len=850        |              |            |                      |
| 7899               | 0.000117      | UI-E-DW0-agk-i-01-0-UI.r1 UI-E-DW0         | BM696546     | Hs.356149  |                      |
|                    |               | cDNA clone UI-E-DW0-agk-i-01-0-UI 5',      | 1            | 1          | 1                    |
|                    |               | mRNA sequence /clone=UI-E-DW0-agk-i-       |              |            |                      |
|                    | ,             | 01-0-UI /clone_end=5' /gb=BM696546         |              |            |                      |
|                    |               | /gi=19009804 /ug=Hs.356149 /len=1200       | <u> </u>     |            |                      |
| 7906               | 0.001071      | cDNA FLJ30587 fis, clone                   | AK055149     | Hs.367639  |                      |
| • %                |               | BRAWH2007800, weakly similar to Ovo        |              |            |                      |
| ,                  |               | protein. /gb=AK055149 /gi=16549814         |              |            |                      |
|                    |               | /ug=Hs.367639 /len=2529                    |              |            |                      |

| Spot   | p-value     | D scription   | Accession                                | Unigene  | Protein                               |
|--------|-------------|---|--|--|---------------------------------------|
| ,      | * -         |   |  |  | Accession                             |
|        |             |   |  | ·  | No.                                   |
| 7915   | 4.31E-05    | GK001 protein (GK001), mRNA   | NM_020198                                | Hs.8207  | NP_064583                             |
|        |             | /cds=(185,1636) /gb=NM_020198   |  |  |                                       |
| -      |             | /gi=9910241 /ug=Hs.8207 /len=3294                                     |  |  |                                       |
| 7927   | 0.0003      | UI-H-EZ1-bca-n-05-0-UI.s1   | BQ774356                                 | Hs.43227   |                                       |
| + *    |             | NCI_CGAP_Ch2 cDNA clone UI-H-EZ1-                                     |  |  |                                       |
|        |             | bca-n-05-0-UI 3', mRNA sequence                                       |  | · -  |                                       |
|        |             | /clone=UI-H-EZ1-bca-n-05-0-UI   |  |  | . *                                   |
|        |             | /clone_end=3' /gb=BQ774356  |  | +  | r                                     |
|        |             | /gi=21982825 /ug=Hs.43227 /len=1083                                   |  |  |                                       |
| 7947   |             | EST (AV690707 GKC H.sapiens cDNA                                      | AV690707                                 |  | NP_004577                             |
| 7952   | 0.000793    | EST (Al683276 tx02h12.x1  | Al683276                                 |  |                                       |
|        |             | NCI_CGAP_Ut4 cDNA clone   | 4  | :  |                                       |
|        |             | IMAGE:2268071 3')   |  |  |                                       |
| 8043   | 0.000173    | hypothetical protein from BCRA2 region                                | NM_014887                                | Hs.23518   | NP_055702                             |
|        |             | (CG005), mRNA /cds=(166,1917)   |  | 1  |                                       |
| Θ      |             | /gb=NM_014887 /gi=7656970   |  |  | 0                                     |
|        |             | /ug=Hs.23518 /len=2825  |  |  |                                       |
| 8069   | 0.001021    | Similar to nuclear localization signals                               | BC016981                                 | Hs.244624  | AAH16981.1                            |
| a 🛴    |             | binding protein 1, clone MGC:21810                                    |  |  |                                       |
|        |             | IMAGE:4183576, mRNA, complete cds                                     | 300                                      |  |                                       |
|        | -           | /cds=(58,375) /gb=BC016981  |  |  |                                       |
| ~ ~    |             | /gi=16877469 /ug=Hs.244624 /len=2059                                  |  |  |                                       |
| 8134   | 0.000104    | CGI-204 mRNA, complete cds.   | AF285120                                 | Hs.283734  | NP_817125                             |
|        | . 1         | /cds=(41,799) /gb=AF285120 /gi=9858830                                |  |  |                                       |
|        |             | /ug=Hs.283734 /len=2865   |  |  |                                       |
| 8179   | 0.000364    | karyopherin (importin) beta 3 (KPNB3),                                | NM_002271                                | Hs.113503  | NP_002262                             |
|        | ,           | mRNA /cds=(139,3486) /gb=NM_002271                                    |  |  |                                       |
|        |             | /gi=24797085 /ug=Hs.113503 /len=5977                                  |  |  |                                       |
| 0000   | 0.000004    | C C C D 4 (TEDD4)   | NIN 007444                               | 70050  | ND 000040                             |
| 8202   | 0.000364    | transcription factor Dp-1 (TFDP1), mRNA                               | NM_007111                                | Hs.79353   | NP_009042                             |
|        |             | /cds=(222,1454) /gb=NM_007111   |  |  |                                       |
|        | *           | /gi=21361419 /ug=Hs.79353 /len=2394                                   | 1  | *  |                                       |
| 0245   | 0.000440    | UI H EDO our a 17 0 18 a1   | PM004050                                 | Ho 15700   | · · · · · · · · · · · · · · · · · · · |
| 8315   | U.UUU448    | UI-H-ED0-awz-g-17-0-UI.s1   | BM994952                                 | Hs.15702   |                                       |
|        |             | NCI_CGAP_ED0 cDNA clone   |  |  |                                       |
|        |             | IMAGE:5825704 3', mRNA sequence<br>/clone=IMAGE:5825704 /clone end=3' |  |  | * *                                   |
|        |             | /gb=BM994952 /gi=19719853   |  | *  | * -()-                                |
|        |             | -   |  |  | [ ,                                   |
| 8334   | 0.000272    | /ug=Hs.15702 /len=1200<br>EST (MR4-ST0070-051099-009-e09              | AW387240                                 |  | NP_036546                             |
| 0334   | 0.000272    | ST0070)   | AVV307,240                               |  | TVF_030340                            |
| 8351   | 0.000806    | EST zr46h01.s1 Soares NhHMPu S1                                       | AA233076                                 |  |                                       |
| 1 0001 | J 0.000000  | cDNA clone 666481 3'  | 1.47832010                               | *  |                                       |
| 8360   | 0.000521    | EST(zf51h11.r1 Soares retina N2b4HR                                   | AA044938                                 | <del>                                     </del> |                                       |
| 0000   | J 0.00002,1 | clone IMAGE:380517 5' contains  | , v\u <del>n</del> nesso                 | [ •  | *                                     |
|        | ,           | MER17.b2 MER17 repeat)  | 1  |  |                                       |
| 8466   | 0.000625    | Tho2 mRNA, complete cds /cds=(1,4437)                                 | AF441770                                 | Hs.16411   | AAM28436.1                            |
| 3700   | 0.000020    | /gb=AF441770 /gi=20799317   | 1, 11, 17, 17, 17, 17, 17, 17, 17, 17, 1 | 1.10.10411                                       |                                       |
|        |             | /ug=Hs.16411 /len=4452  |  |  | :                                     |
| L      | <u> </u>    | /ug 113.10411/1611-4402   |  | <del>!</del>                                     |                                       |

| Spot         | p-value   | Description   | Accession                               | Unigene    | Protein     |
|--------------|-----------|---|---|------------|-------------|
| •            |           |   |   |            | Accession   |
| 8580         | 0.001546  | BX096173 Soares_testis_NHT cDNA   | BX096173                                | Hs.188780  | No.         |
| 0000         | 0.001540  | clone IMAGp998F151793, mRNA   | DV090112                                | 115.100700 |             |
|              |           | sequence  |   |            |             |
|              | . *       | /clone=IMAGp998F151793 ;_IMAGE:730                                      |   |            | * *         |
| 100          |           | 766 /gb=BX096173 /gi=27842669   | # * * * * * * * * * * * * * * * * * * * |            |             |
|              |           | /ug=Hs.188780 /len=556  |   | 2          |             |
| 8622         | 0.001393  | FLJ30623 fis, clone CTONG2001748  | AK055185                                | Hs.351574  | NP 079050   |
|              |           | /cds=UNKNOWN /gb=AK055185   | 0                                       | ,          |             |
|              |           | /gi=16549855 /ug=Hs.351574 /len=2870                                    |   |            |             |
| 8663         | 0.000326  | hypothetical protein BC018453   | NM_138798                               | Hs.14222   | NP_620153   |
|              |           | (LOC129531), mRNA /cds=(49,798)   |   |            | -           |
| •            |           | /gb=NM_138798 /gi=20270348  |   |            |             |
|              |           | /ug=Hs.14222 /len=963   |   | ·          | <u>y</u>    |
| 8706         | 0.000164  | cDNA FLJ31306 fis, clone  | AK055868                                | Hs.442335  | NP_071431.1 |
|              |           | LIVER1000111. /gb=AK055868  | * 10                                    |            |             |
|              |           | /gi=16550703 /ug=Hs.442335 /len=2360                                    |   |            |             |
| 8717         |           | EST(cDNA clone IMAGE:2622241 3')  | AW131141                                |            | NP_055262   |
| 8770         | 0.000173  | UI-H-DF0-bey-f-20-0-UI.s1   | CA427170                                | Hs.27996   |             |
|              |           | NCI_CGAP_DF0 cDNA clone UI-H-DF0-                                       |   |            | <u>.</u>    |
|              |           | bey-f-20-0-UI 3', mRNA sequence   | · · · · · ·                             |            |             |
|              |           | /clone=UI-H-DF0-bey-f-20-0-UI   |   |            |             |
|              |           | /clone_end=3' /gb=CA427170  |   |            |             |
| 0774         | 0.000000  | /gi=24789896 /ug=Hs.27996 /len=1082                                     | NC 001807                               |            |             |
| 8771<br>8804 |           | mitochondrion, complete genome E2F transcription factor 5, p130-binding | NM_001951                               | Hs.2331    | NP_001942   |
| 0004         | 4.516-00  | (E2F5), mRNA /cds=(35,1075)   | 14101_001931                            | 1515.2331  | 14-001942   |
|              |           | /gb=NM_001951 /gi=12669916  |   | *          |             |
| *            |           | /ug=Hs.2331 /len=1752   |   |            |             |
| 8843         | 3.07F-05  | No significant match, ORF-1(69~499)low                                  |   |            |             |
| 3010         | 0.07 = 00 | complexity  |   |            | Ē           |
| 8853         | 0.000153  | No significant match  |   |            | 1.          |
|              |           | (ORF:+1:13~144[132], +2:50~151[102])                                    | 7                                       |            |             |
| 8856         | 0.000625  |   | 7 (2                                    |            |             |
| 8862         | 0.000326  | cDNA FLJ14368 fis, clone  | AK027274                                | Hs.330716  |             |
|              |           | HEMBA1001122. /gb=AK027274  |   |            |             |
|              |           | /gi=14041848 /ug=Hs.330716 /len=1543                                    |   |            | -           |
| 8865         | 3.07E-05  | cDNA FLJ12091 fis, clone  | AK022153                                |            |             |
|              |           | HEMBB1002582  |   |            |             |
| 8875         |           | No significant match, ORF+2(131~292)                                    |   |            |             |
| 8951         | 0.000569  | PTK2 protein tyrosine kinase 2 (PTK2),                                  | NM_153831                               | Hs.740     | NP_722560   |
|              |           | transcript variant 1, mRNA  |   |            |             |
|              |           | /cds=(231,3389) /gb=NM_153831   |   |            |             |
| 6000         | 0.000405  | /gi=27886591 /ug=Hs.740 /len=4453                                       | DI405 400                               | 110.045500 |             |
| 9026         | 0.000105  | df118f01.w1 Morton Fetal Cochlea cDNA                                   | BI495496                                | Hs.345508  | 3           |
|              |           | clone IMAGE:2539897 3', mRNA  |   |            | . **        |
|              |           | sequence /clone=IMAGE:2539897<br>/clone_end=3' /gb=Bl495496             |   | . *        |             |
|              | 1         | /gi=15334840 /ug=Hs.345508 /len=553                                     |   | ,          |             |
|              |           | T/gi- 10004040 /ug-ms.040000 /len-000                                   |   | <u> </u>   | 1           |

| Spot   | p-value  | D scription                                | Accession                             | Unigene    | Protein<br>Accession |
|--------|----------|--|---------------------------------------|------------|----------------------|
|        |          |  |                                       | _ ·        | No.                  |
| 9065   | 0.000983 | UI-H-BI0p-abb-b-05-0-UI.s1                 | AW015262                              | Hs.440665  |                      |
|        |          | NCI_CGAP_Sub2 cDNA clone                   |                                       | *          |                      |
|        |          | IMAGE:2711001 3', mRNA sequence            | 8-1                                   |            |                      |
|        |          | /clone=IMAGE:2711001 /clone_end=3'         | ,                                     |            | • • •                |
| •      | * *      | /gb=AW015262 /gi=5863949                   |                                       | 1          | *                    |
| ())    |          | /ug=Hs.440665 /len=854                     |                                       |            |                      |
| 9078   |          | cDNA FLJ13207 fis, clone                   | AK023269                              | Hs.14355   |                      |
| - :    |          | NT2RP4000023. /gb=AK023269                 |                                       |            |                      |
| •      |          | /gi=10435128 /ug=Hs.14355 /len=2633        |                                       |            |                      |
| 9142   | 0.000492 | cDNA FLJ38449 fis, clone                   | AK095768                              | Hs.146312  | NP_071431.1          |
| *      |          | FEBRA2019389. /gb=AK095768                 | :                                     |            |                      |
|        |          | /gi=21755098 /ug=Hs.146312 /len=2628       | :                                     |            |                      |
| 9161   | 2.07E-05 | cDNA FLJ31107 fis, clone                   | AK055669                              | Hs.405954  |                      |
|        | 11.      | IMR322000152. /gb=AK055669                 |                                       |            |                      |
|        |          | /gi=16550452 /ug=Hs.405954 /len=2250       |                                       |            |                      |
| 9271   | 2.8E-05  | fj53d02.x1 adult brain Danio rerio cDNA 3' | AW281691                              |            | EFHU2                |
|        | . *      | similar to SW;EF2_CHICK Q90705             |                                       |            |                      |
|        | •        | ELONGATION FACTOR 2;                       | 2                                     |            |                      |
| 9364   | 8.5E-06  | FLJ12419 fis, clone MAMMA1003047,          | AK022481                              | Hs.105779  | NP_056981            |
| · .    |          | highly similar to Homo sapiens protein     |                                       | **         |                      |
| . "    |          | inhibitor of activated STAT protein PIASy  | * .                                   | , ,        |                      |
|        | ,        | mRNA /cds=UNKNOWN /gb=AK022481             |                                       | 5 W *      | 8                    |
|        |          | /gi=10433892 /ug=Hs.105779 /len=3054       |                                       |            | 0                    |
| 9376   | 0.000928 | tenascin XB (TNXB), transcript variant     | NM_019105                             | Hs.169886  | NP_115859            |
| * :    |          | XB, mRNA /cds=(205,13074)                  | at .                                  |            | 6                    |
| 9      |          | /gb=NM_019105 /gi=20544188                 |                                       | 0.7        |                      |
|        |          | /ug=Hs.169886 /len=13268                   |                                       |            | ,                    |
| 9451   | 5.82E-05 | phospholipase A2-activating protein        | NM_004253                             | Hs.27182   | NP_004244            |
|        |          | (PLAA), mRNA /cds=(29,2245)                |                                       |            | ·                    |
| *      | *        | /gb=NM_004253 /gi=21361288                 |                                       |            |                      |
|        |          | /ug=Hs.27182 /len=3240                     | ٠, ,                                  |            |                      |
| 9463   | 0.000521 | tropomyosin 3 (TPM3), mRNA                 | NM_153649                             | Hs.85844   | NP_705935            |
|        |          | /cds=(52,798) /gb=NM_153649                | · · · · · · · · · · · · · · · · · · · |            |                      |
|        | ,        | /gi=24119202 /ug=Hs.85844 /len=2089        |                                       |            |                      |
| 9488   | 3.07E-05 | UDP-N-acteylglucosamine                    | NM_003115                             | Hs.21293   | NP_003106            |
| •      | i .      | pyrophosphorylase 1 (UAP1), mRNA           |                                       | ,          | * Y                  |
|        | •        | /cds=(312,1829) /gb=NM_003115              |                                       | •          |                      |
|        |          | /gi=19923738 /ug=Hs.21293 /len=2332        | 50000010                              | 11. 100070 | ND 000550            |
| 9535   | 0.001449 | Hypothetical protein 669, cDNA FLJ32614    | BC000819                              | Hs.180378  | NP_062556            |
| '      | ı        | fis, clone STOMA2000121, moderately        |                                       |            |                      |
|        | *        | similar to Fugu rubripes CCBL1 gene        |                                       |            | •                    |
|        |          | (AK057176.1) (=CG6950 gene,                |                                       | . *        | 3                    |
| 110555 | 0.00000  | BC000819.1)                                | 11/000/100                            | 11 050005  |                      |
| 9573   | 0.000326 | cDNA FLJ39084 fis, clone                   | AK096403                              | Hs.356835  | BAC04779.1           |
| 0.     |          | NT2RP7018871. /cds=(491,1024)              | · .                                   |            | -                    |
|        |          | /gb=AK096403 /gi=21755888                  |                                       |            |                      |
| l      |          | /ug=Hs.356835 /len=2242                    |                                       |            |                      |

| Spot     | p-value  | D scription   | Accession   | Unigene                                 | Protein<br>Accession |
|----------|----------|---|-------------|---|----------------------|
|          |          |   |             |   | No.                  |
| 9633     | 0.000298 | U7 snRNP-specific Sm-like protein<br>LSM10 (LSM10), mRNA /cds=(151,522) | NM_032881   | Hs.3496                                 | NP_116270            |
|          |          | /gb=NM_032881 /gi=14249631<br>/ug=Hs.3496 /len=869                      |             | * |                      |
| 9634     | 4 21E 05 | cDNA PSEC0070 fis, clone  | AK075380    | Hs.183454                               | ND 040402            |
| 9034     | 4.51⊑:05 | NT2RP2001508, moderately similar to                                     | AKU7536U    | IDS. 103434                             | NP_849193            |
|          |          | OLIGOSACCHARYL TRANSFERASE  |             |   |                      |
|          | ,:       | STT3 SUBUNIT. /cds=(94,954)   |             | · '                                     |                      |
|          | ÷        | /gb=AK075380 /gi=22761428   | <b>i</b>    |   |                      |
| •        |          |   |             |   | 12                   |
| 9771     | 0.000524 | /ug=Hs.183454 /len=2510<br>EST(oo43e04.s1 NCI_CGAP_Lu5 clone            | AA973377    |   |                      |
| 9//1     | 0.000521 |   | AA9/33//    |   |                      |
|          |          | IMAGE:1568958 3' contains L1.t1 L1                                      |             |   |                      |
| 0060     | 0.004303 | repeat)   | NIM 040744  | 11- 000400                              | ND 004404            |
| 9862     | 0.001393 | component of oligomeric golgi complex 1                                 | NIVI_018/14 | Hs.283109                               | NP_061184            |
|          |          | (COG1), mRNA /cds=(27,2969)   | 100         | :                                       |                      |
|          |          | /gb=NM_018714 /gi=21237782  |             |   |                      |
| 0005     | 14045.85 | /ug=Hs.283109 /len=3047   | 41400000    |   |                      |
| 9895     | 4.31E-05 | FLJ23227 fis, clone CAE00645, highly                                    | AK026880    | Hs.6580                                 | NP_031397.1          |
|          |          | similar to AF052138 Homo sapiens clone                                  | i,          |   | -                    |
| - (1)    |          | 23718 mRNA sequence /cds=UNKNOWN  | Y.          | - "                                     |                      |
|          |          | /gb=AK026880 /gi=10439841   |             |   |                      |
|          |          | /ug=Hs.6580 /len=1729   |             |   |                      |
| 9975     | 0.000298 | RAB6A, member RAS oncogene family                                       | NM_002869   | Hs.5636                                 | NP_002860            |
| ·(c -    | e .      | (RAB6A), mRNA /cds=(427,1053)   | * .         |   | 9                    |
| •X•      |          | /gb=NM_002869 /gi=19923230  |             |   |                      |
|          |          | /ug=Hs.5636 /len=3079   |             |   |                      |
| 9995     | 0.000659 | UDP-Gal:betaGlcNAc beta 1,3-  | NM_003781   | Hs.267695                               | NP_149359            |
|          | •        | galactosyltransferase, polypeptide 3                                    | 2           | 130                                     |                      |
|          | 8 8      | (B3GALT3), transcript variant 1, mRNA                                   |             |   | 0.                   |
|          |          | /cds=(399,1394) /gb=NM_003781   |             |   | ·                    |
| 1        | • '      | /gi=15451873 /ug=Hs.267695 /len=3210                                    |             |   |                      |
| 9998     | 3.07E-05 | chromosome 20 open reading frame 14                                     | NM_012469   | Hs.31334                                | NP_036601            |
|          |          | (C20orf14), mRNA /cds=(100,2925)  |             |   |                      |
|          | *        | /gb=NM_012469 /gi=6912731   | 7 8         |   |                      |
|          |          | /ug=Hs.31334 /len=3060  |             | 1                                       |                      |
| 10021    |          | RalGDS-like gene (RGL), mRNA  | NM_015149   | Hs.79219                                | NP_055964            |
|          |          | /cds=(450,2861) /gb=NM_015149   |             |   | 1.                   |
|          |          | /gi=20127535 /ug=Hs.79219 /len=5111                                     |             |   |                      |
| 10024    | 1.38E-05 | DnaJ (Hsp40) subfamily B, member 11                                     | NM_016306   | Hs.278605                               | NP_057390            |
| ,        | ٠        | (DNAJB11), mRNA /cds=(160,1236)   | *           |   | . :                  |
|          |          | /gb=NM_016306 /gi=25014110  |             |   |                      |
| <u> </u> | :        | /ug=Hs.278605 /len=1621   | ·           |   |                      |
| 10044    | 2.76E-05 | ER-resident protein ERdj5 (ERdj5),                                      | NM_018981   | Hs.1098                                 | NP_061854            |
| *        |          | mRNA /cds=(416,2797) /gb=NM_018981                                      |             |   | _                    |
| ,        |          | /gi=24308126 /ug=Hs.1098 /len=4193                                      |             |   | -9-                  |
|          |          |   | * .         | * 2                                     |                      |

| Spot    | p-value    | Description  | Accession    | Unigene      | Protein       |
|---------|------------|--|--------------|--------------|---------------|
| * * *   | ,          |  |              |              | Accession     |
| 40050   | 0.000464   | EL 140705 6- alors NEODD 4000444                                 | A14004007    | 11-004004    | No.           |
| 10050   | 0.000164   | FLJ10765 fis, clone NT2RP4000111,                                | AK001627     | Hs.224961    |               |
|         |            | highly similar to CLEAVAGE AND                                   |              |              | * 1 * 1       |
|         |            | POLYADENYLATION SPECIFICITY                                      |              |              |               |
|         |            | FACTOR, 100 KD SUBUNIT   | - 0          |              |               |
|         |            | /cds=UNKNOWN /gb=AK001627  | · ·          |              | * .           |
| 10061   | E 00E 0E   | /gi=7022996 /ug=Hs.224961 /len=4352<br>UI-H-EU0-azv-c-01-0-UI.s1 | DO404004     | LID 47702C   |               |
| 10001   | 0.02E-00   | NCI CGAP Car1 cDNA clone IMAGE:                                  | BQ181694     | Hs.177936    |               |
|         | •          | 5854008 3', mRNA sequence  |              |              |               |
| C .     |            | /clone=IMAGE:_5854008 /clone end=3!                              |              |              |               |
|         | ;          |  |              |              |               |
| ,       | •          | /gb=BQ181694 /gi=20357186<br>/ug=Hs.177936 /len=1076             |              |              | *             |
| 10069   | 5 92E 05   | hypothetical protein FLJ20297                                    | NM 017751    | Hs.94491     | NP 060421     |
| 10009   | 3.0ZE-US   | (FLJ20297), mRNA /cds=(111,2507)                                 | INIVI_01/751 | ns.94491     | INP_000421    |
| 0.      |            | /gb=NM_017751 /gi=8923276  |              |              |               |
|         | *          | /gb=NM_0177317gl=8923276<br>/ug=Hs.94491 /len=3682               | *            |              | *             |
| 10087   | 2.075.05   | cDNA FLJ30064 fis, clone   | AK054626     | Hs.188504    | BAB70777.1    |
| 10007   | 2.07 ⊑-03  | ADRGL2000323. /cds=(118,516)                                     | JAKU34020    | ITIS. 100004 | IDAD/U///     |
| *       |            | /gb=AK054626 /gi=16549205  |              |              |               |
| ,       |            | /ug=Hs.188504 /len=2081  |              |              |               |
| 10094   | 0 00 0 06  | nuclear factor of kappa light polypeptide                        | NM 013432    | Hs.323834    | NP_038460     |
| 10094   | 0.000-00   | gene enhancer in B-cells inhibitor-like                          | 14141_013432 | IDS.323034   | 145_030400    |
|         |            | 2(NFKBIL2), mRNA /cds=(473,4132)                                 |              | . *          |               |
|         |            | /gb=NM_013432/gi=15718771  |              |              |               |
|         |            | /ug=Hs.323834 /len=4501  |              |              | }             |
| 10099   | 0.000711   | intersectin (ITSN) gene, exons and short                         | AF064245     |              | AAC80436.1    |
| 10099   | 0.000711   | form, partial cds  | A1,004243    |              | AAC00430.1    |
| 10105   | 2.765.05   | programmed cell death 2 (PDCD2),                                 | NM_144781    | Hs.367900    | NP_659005     |
| 10100   | 2.70L-03   | transcript variant 2, mRNA /cds=(80,766)                         | 14101        | 113.307300   | 141 _009000   |
|         |            | /gb=NM_144781 /gi=21735593                                       |              |              |               |
|         |            | /ug=Hs.367900 /len=2066  | ·            | -00-         |               |
| 10126   | 0.000356   | mRNA for KIAA0647 protein, partial cds                           | AB014547     | Hs.141727    | NP_004678     |
| 10120   | 0.000000   | /cds=UNKNOWN /gb=AB014547  | 7,501,4047   | 113.141721   | 111 _004070   |
|         |            | /gi=20521118 /ug=Hs.141727 /len=5719                             | *            |              |               |
| 10163   | 1 46F-05   | KIAA0062 mRNA, partial cds                                       | D31887       | Hs.89868     | BAA06685.1    |
| 10.00   | 102.00     | /cds=(1,1598) /gb=D31887 /gi=505101                              | 201007       | 1.10.0000    | 27 0 100000:1 |
|         |            | /ug=Hs.89868 /len=4573   | · ·          |              | 4_8           |
| 10183   | 5 82F-05   | cDNA: FLJ20924 fis, clone ADSE00928.                             | AK024577     | Hs.306692    | JC5238        |
|         |            | /gb=AK024577 /gi=10436889  |              | :            |               |
|         | 1          | /ug=Hs.306692 /len=1516  | w.           | }            |               |
| 10228   | 0.001449   | hypothetical protein FLJ10342                                    | NM 018064    | Hs.101514    | NP_060534     |
| , , , , | 0.007.10   | (FLJ10342), mRNA /cds=(534,1145)                                 |              |              |               |
|         |            | /gb=NM_018064 /gi=14149717                                       | 9 20         | <i>:</i>     |               |
|         |            | /ug=Hs.101514 /len=1506  |              |              |               |
| 10236   | 0.000882   | hypothetical protein MGC4701                                     | NM 024511    | Hs.421054    | NP_078787     |
|         |            | (MGC4701), mRNA /cds=(149,1585)                                  |              |              |               |
| ,       | ]          | /gb=NM 024511 /gi=24308290                                       | }            |              |               |
|         |            | /ug=Hs.421054 /len=1686  |              |              |               |
| 10000   | 0.000427   | EST CM4-CT0343-301199-052-d11                                    | AW363671     |              | NP 000998     |
| 10302   | 1 0.000427 |  |              |              |               |

| Spot           | p-value      | Description                                     | Accession   | Unigene      | Protein      |
|----------------|--------------|---|-------------|--------------|--------------|
|                |              |   | 3.5         | - ×          | Accession    |
|                |              |   | ·           |              | No.          |
| 10348          | 0.000523     | BX103634  | BX103634    | Hs.134848    |              |
|                |              | Soares_NSF_F8_9W_OT_PA_P_S1                     |             |              |              |
|                | -            | cDNA clone IMAGp998O213969, mRNA                |             | 1            |              |
| . 1 .          |              | sequence  |             |              | *            |
|                | • •          | /clone=IMAGp998O213969_;_IMAGE:156              | ·* ,        |              |              |
|                |              | 6572 /gb=BX103634 /gi=27845812                  | •           |              |              |
|                |              | /ug=Hs.134848 /len=554                          |             |              | ٠,           |
| 10428          | 0.000694     | clone IMAGE:5275048, mRNA                       | BC041379    | Hs.187646    |              |
|                |              | /gb=BC041379 /gi=27552809                       |             |              |              |
|                |              | /ug=Hs.187646 /len=3258                         | . + ,       |              |              |
| 10479          | 3.07E-05     | UI-H-BI4-aos-c-04-0-UI.s1                       | BF508907    | Hs.433695    | NP_003874.2  |
|                |              | NCI_CGAP_Sub8 cDNA clone                        |             |              | (f)          |
|                |              | IMAGE:3085830 3', mRNA sequence                 |             | ٠,           | •            |
|                |              | /clone=IMAGE:3085830 /clone_end=3'              |             |              | •            |
| sal y          |              | /gb=BF508907 /gi=11592205                       |             |              |              |
|                | <u> </u>     | /ug=Hs.433695 /len=932                          |             | 1            |              |
| 10484          | 3.64E-05     | hypothetical protein FLJ20255                   | NM_017728   | Hs.15797     | NP_060198    |
|                |              | (FLJ20255), mRNA /cds=(146,1090)                |             | *            | 1            |
| * .            |              | /gb=NM_017728 /gi=8923229                       |             | 93           |              |
|                |              | /ug=Hs.15797 /len=1769                          |             |              | <u> </u>     |
| 10501          | 2.76E-05     | UI-E-DW0-agg-d-24-0-UI.r1 UI-E-DW0              | BM706154    | Hs.433446    | P51003       |
| •              | ,            | cDNA clone UI-E-DW0-agg-d-24-0-UI 5',           |             |              |              |
| e 1            | 19           | mRNA sequence /clone=UI-E-DW0-agg-d             | ·           |              | 9            |
| . "            |              | 24-0-UI /clone_end=5' /gb=BM706154              |             |              |              |
|                |              | /gi=19019412 /ug=Hs.433446 /len=1003            |             | 1.           |              |
| 10528          | 0.000104     | FLJ32238 fis, clone PLACE6004993                | AK056800    | Hs.183161    | NP_036595    |
|                |              | /cds=UNKNOWN /gb=AK056800                       |             | ·            |              |
| 40500          |              | /gi=16552307 /ug=Hs.183161 /len=2204            | 51004446    | -            | ND COCCO     |
| 10533          | 5.82E-05     | EST(Normalized Human Islet 4 N4-HIS 1           | BI964140    | - :          | NP_006531    |
| 40504          | 0.000704     | Homo sapiens cDNA 5')                           | 505556      |              |              |
| 10594          | 0.000791     | UI-H-EZ1-bbh-j-15-0-UI.s1                       | BQ575990    | Hs.445509    |              |
|                |              | NCI_CGAP_Ch2 cDNA clone UI-H-EZ1-               |             |              |              |
|                |              | bbh-j-15-0-UI 3', mRNA sequence                 | * •         | ) -          |              |
|                | ,            | /clone=UI-H-EZ1-bbh-j-15-0-UI                   |             |              | •            |
|                | . #          | /clone_end=3' /gb=BQ575990                      |             |              |              |
|                | 200400       | /gi=21479307 /ug=Hs.445509 /len=1032            |             |              | <del>\</del> |
| 10606          | 0.001387     | EST(fp43g05.x1 zebrafish gridded kidney         | BG891931    |              | . ,          |
|                |              | Danio rerio cDNA clone 4759496 3'               |             |              |              |
|                |              | similar to contains element MER21               |             |              | . •          |
| 40057          | 4 045 05     | repetitive element ;)                           | 41600000    | 11 400040    | ND 000040 4  |
| 10657          | 1.01E-05     | cDNA FLJ34771 fis, clone                        | AK092090    | Hs.433010    | NP_060312.1  |
| <br>           |              | NT2NE2003150. /gb=AK092090                      |             | ·            |              |
| 40004          | 0.045.05     | /gi=21750599 /ug=Hs.433010 /len=2424            | DE447400    |              | ND 000000    |
| 10684          |              | EST(cDNA clone IMAGE:4090855 3')                | BF447403    | -            | NP_002806    |
| 10783          | 0.000298<br> | EST (nm30c04.s1 NCI_CGAP_Lip2                   | AA569171    |              |              |
|                |              | IMAGE:1061670)                                  | A1A(0077310 | <del> </del> |              |
| 40700          | 0.004000     |   |             |              |              |
| 10786          | 0.001289     | EST (MR0-SN0040-060400-001-h09                  | AW867719    |              |              |
| 10786<br>10864 | ı            | SN0040) EST (ab81d11.s1 Stratagene fetal retina | AA663308    |              | ,            |

| Spot       | p-value     | Description   | Accession     | Unigene    | Protein                                 |
|------------|-------------|---|---------------|------------|---|
| *          |             |   | Ī             | , .        | Accession No.                           |
| 10967      | 0.000681    | cDNA /clone=cD622 /gb=AF107454<br>/gi=5052209 /ug=Hs.107537 /len=4850 | AF107454      | Hs.107537  | NP_071903                               |
| 11107      | O ET DE     | cDNA FLJ11041 fis, clone  | AK001903      | Hs.28792   | *************************************** |
| 11107      | 0.5E-00     |   | AK00 1903     | ns.20792   |   |
|            |             | PLACE1004405. /gb=AK001903  |               |            | *                                       |
| 44400      | 0.00000     | /gi=7023457 /ug=Hs.28792 /len=1932                                    | DEE02402      | 110 005000 | 0011004                                 |
| 11139      | 0.000298    | ESTs, cDNA, 3' end  | BF593483      | Hs.235860  | Q9H334                                  |
|            |             | /clone=IMAGE:3676432 /clone_end=3'                                    |               |            |   |
| *          |             | /gb=BF593483 /gi=11685729   | ` .           |            |   |
| 44400      | 0.000000    | /ug=Hs.235860 /len=582  |               |            |   |
| 11183      |             | No significant match  | NIA 000700    | 11. 54.40  | NID 000004                              |
| 11276      |             | FLN29 gene product (FLN29), mRNA                                      | NM_006700     | HS.5148    | NP_006691                               |
|            |             | /cds=(55,1803) /gb=NM_006700  |               |            | * .                                     |
| 44070      | 0.00000     | /gi=5729827 /ug=Hs.5148 /len=2618                                     | 416004700     | 11 004005  |   |
| 11279      | 0.000298    | cDNA FLJ11660 fis, clone  | AK021722      | Hs.281895  |   |
| . <u> </u> |             | HEMBA1004610. /gb=AK021722  |               | 1          |   |
| 44000      | 0.004000    | /gi=10432962 /ug=Hs.281895 /len=1769                                  | V14 *000 404  |            |   |
| 11323      | 0.001393    | inhibitor of kappa light polypeptide gene                             | XM_032491     |            |   |
|            |             | enhancer in B-cells, kinase beta (IKBKB),                             |               |            |   |
|            | 2 222       | mRNA  | 1111 04 (005) | 0700/6     | 115 05 150 1                            |
| 11345      | 0.000719    | HT001 protein (HT001), mRNA   | NM_014065     | Hs.279040  | NP_054784                               |
|            |             | /cds=(242,1204) /gb=NM_014065   |               | 1          |   |
| *******    |             | /gi=7661837 /ug=Hs.279040 /len=1402                                   |               | -          |   |
| 11357      | 3.07E-05    | splicing factor 3a, subunit 1, 120kDa                                 | NM_005877     | Hs.406277  | NP_005868                               |
| ,          | · . '       | (SF3A1), mRNA /cds=(132,2513)   | 320           | *          | ,                                       |
|            |             | /gb=NM_005877 /gi=20127483  |               | ·          |   |
| ·          | 4 6 6 5 6 5 | /ug=Hs 406277 /len=2944   | 1111 000005   | -          | ND 005070                               |
| 11414      | 1.38E-05    | solute carrier family 25 (mitochondrial                               | NM_002635     | Hs.78713   | NP_005879                               |
| ·· .       | Table 1     | carrier; phosphate carrier), member 3                                 | , , ,         |            |   |
|            |             | (SLC25A3), nuclear gene encoding                                      | ٠,            | -)-        |   |
|            | i i         | mitochondrial protein, transcript variant                             |               |            |   |
|            |             | 1b, mRNA /cds=(49,1134)   |               | 00         |   |
|            | *           | /gb=NM_002635 /gi=4505774   |               |            |   |
| 44400      | 0.075:05    | /ug=Hs.78713 /len=1330  | A1504005      | 115 200007 |   |
| 11462      | 3.07E-05    | ta10c07.x1  | Al581285      | Hs.309697  |   |
|            |             | Soares_total_fetus_Nb2HF8_9w cDNA                                     |               |            |   |
| . *        | × .         | clone IMAGE:2043660 3', mRNA  |               | 8          |   |
|            |             | sequence /clone=IMAGE:2043660   |               | 90         |   |
|            |             | /clone_end=3' /gb=Al581285 /gi=4565661                                |               |            | ŧ ,                                     |
| 14505      | 0.000473    | /ug=Hs.309697 /len=467  | NINA 000019   | 110 102007 | ND 075060                               |
| 11595      | Ų.000 173   | hypothetical protein FLJ22104   | NM_022918     | Hs. 183887 | NP_075069                               |
| 1          |             | (FLJ22104), mRNA /cds=(63,1127)                                       |               |            |   |
|            |             | /gb=NM_022918 /gi=12597666  |               |            |   |
| 11604      | 0.001001    | /ug=Hs.183887 /len=2952   | VK034064      | Uc 172022  | ND OCESOE                               |
| 11684      | 0.001001    | cDNA: FLJ21311 fis, clone COL02167.                                   | AK024964      | Hs.173933  | NP_005586                               |
| l . · ·    |             | /gb=AK024964 /gi=10437390   |               |            |   |
| 11600      | 0.000470    | /ug=Hs.173933 /len=3216   | NIM 020422    | Uc 27404   | ND OGE1EE                               |
| 11688      | 0.000173    | hypothetical protein from clone 24796                                 | NM_020422     | Hs.27191   | NP_065155                               |
| *          | .0          | (LOC57146), mRNA /cds=(113,598)                                       |               |            |   |
|            |             | /gb=NM_020422 /gi=21361853  |               |            |   |
|            |             | /ug=Hs:27191-/len=1683  |               | <u> </u>   | <u> </u>                                |

| Spot  | p-valu    | valu Description  |              | Unigene      | Protein                               |
|-------|-----------|---|--------------|--------------|---------------------------------------|
|       |           |   |              |              | Accession<br>No.                      |
| 11693 | 0.001001  | cell adhesion molecule-related/down-                        | NM_016952    | Hs.159565    | NP_058648                             |
|       |           | regulated by oncogenes (CDON), mRNA                         |              |              |                                       |
|       |           | /cds=(1,3723) /gb=NM_016952                                 |              |              | **                                    |
| 14754 | 0.075.05  | /gi=8393083 /ug=Hs.159565 /len=3986                         | 1111 004510  | 11 1466646   | NE 004540                             |
| 11751 | 3.07E-05  | NADH dehydrogenase (ubiquinone) 1,                          | NM_004549    | Hs. 193313   | NP_004540                             |
|       |           | subcomplex unknown, 2, 14.5kDa                              |              |              |                                       |
|       |           | (NDUFC2), mRNA /cds=(151,510)<br>/gb=NM 004549 /gi=19923255 | 20.0         | 3.           |                                       |
|       |           | /ug=Hs.193313 /len=2168                                     |              |              |                                       |
| 11807 | 0.000681  |   | NM_016059    | Hs.27693     | NP 057143                             |
| 11007 | 0.000001  | 1 (PPIL1), mRNA /cds=(222,722)                              | 14141_010059 | 115.27093    | 145 TAP                               |
|       |           | /gb=NM_016059 /gi=22035675                                  |              |              |                                       |
|       |           | /ug=Hs.27693 /len=1723                                      |              |              |                                       |
| 11834 | 0.000274  | hypothetical protein LOC93550                               | NM 174890    | Hs.377945    | NP 777550                             |
|       | 0.000211  | (LOC93550), mRNA /cds=(217,2400)                            |              | 110.07.10.10 | - / / / / / / / / / / / / / / / / / / |
|       |           | /gb=NM_174890 /gi=28376663                                  |              |              |                                       |
|       |           | /ug=Hs.377945 /len=3256                                     |              | 0 "          |                                       |
| 11909 | 3.07E-05  | HRD1 protein (HRD1), transcript variant 2,                  | NM 172230    | Hs.334819    | NP_757385                             |
|       |           | mRNA /cds=(95,1948) /gb=NM 172230                           |              |              | 7                                     |
|       |           | /gi=27436926 /ug=Hs.334819 /len=3074                        | 8            | 9            |                                       |
|       |           |   | *            |              |                                       |
| 11912 | 9.46E-06  | hypothetical protein MGC40157                               | NM_152350    | Hs.295362    | NP_689563                             |
|       |           | (MGC40157), mRNA /cds=(106,498)                             |              |              |                                       |
|       |           | /gb=NM_152350 /gi=22748758                                  |              |              |                                       |
|       |           | /ug=Hs.295362 /len=1250                                     |              |              |                                       |
| 11939 | 1.38E-05  | tyrosine 3-monooxygenase/tryptophan 5-                      | NM_012479    | Hs.25001     | NP_036611                             |
| *     |           | monooxygenase activation protein,                           |              | <b>)</b>     |                                       |
|       |           | gamma polypeptide (YWHAG), mRNA                             |              |              |                                       |
| •     | 4         | /cds=(192,935) /gb=NM_012479                                |              |              |                                       |
| 1     |           | /gi=21464100 /ug=Hs.25001 /len=3747                         |              |              | 712 22 22                             |
| 11962 | 8.88E-06  | aquaporin 3 (AQP3), mRNA                                    | NM_004925    | Hs.234642    | NP_004916                             |
|       | <u> </u>  | /cds=(63,941) /gb=NM_004925                                 |              |              |                                       |
| 40005 | 0.000450  | /gi=22165421 /ug=Hs.234642 /len=1835                        | A A CODO 50  |              |                                       |
| 12005 | 0.000153  | EST(no44e03.s1 NCI_CGAP_Pr23 cDNA                           | AA622352     |              |                                       |
| 12037 | 2.075.05  | clone IMAGE:1103548) EST(EST58819 Infant brain 3' contains  | AA351153     |              |                                       |
| 12037 | 2.076-03  |   | AA351153     |              |                                       |
| 12056 | 4 31E 05  | Alu repeat) EST(ak48e09.s1 Soares testis NHT clone          | A 860225     |              |                                       |
| 12090 | 4.51L-00  | IMAGE:1409224 3')   | AA000223     |              | <u>.</u>                              |
| 12112 | 0.000326  | EST(xu58f03.x1 NCI_CGAP_Ut1 clone                           | AW511419     |              | NP_073572                             |
| 12114 | .5,000520 | IMAGE:2805917 3' TR:O35371 O35371                           | 1011413      |              | 1.41 _0/00/2                          |
|       |           | PERIPHERIAL BENZODIAZEPINE                                  |              | 1.           | 1.                                    |
| •     |           | RECEPTOR ASSOCIATED PROTEIN)                                |              |              |                                       |
| 12182 | 0.000328  | Williams-Beuren Syndrome critical region                    | NM_145645    | Hs.406306    | NP 663620                             |
| · - · |           | protein 20 copy B (WBSCR20B), mRNA                          |              |              |                                       |
|       |           | /cds=(984,1448) /gb=NM_145645                               |              |              |                                       |
|       | 1         |   |              | 1            | 1 '                                   |
| •     | - 3.0     | /gi=21717802 /ug=Hs.406306 /len=1634                        | ł            |              | 1.                                    |

| Spot         | p-value    | Description  | Accession    | Unigene      | Protein ,<br>Accession   |
|--------------|------------|--|--------------|--------------|--|
|              |            |  | , ·          |              | No.  |
| 12261        | 0.001021   | UI-E-EO1-aid-o-06-0-UI.s1 UI-E-EO1                           | BM677516     | Hs.443680    | IVO.   |
| 12201        | 0.001021   | cDNA clone UI-E-EO1-aid-o-06-0-UI 3',                        | J. 1.0777010 | 110. 1 10000 |  |
| q            | n <u>.</u> | mRNA sequence /clone=UI-E-EO1-aid-o-                         | u untimesa   |              |  |
|              | <u>;</u> . | 06-0-UI /clone_end=3' /gb=BM677516                           |              |              |  |
|              |            | /gi=18987412 /ug=Hs.443680 /len=1044                         |              |              |  |
| 12383        | 0.000356   | Saccharomyces cerevisiae chromosome                          | NC 001144    |              |  |
| 12000        | 0.000,000, | XII, complete chromosome sequence                            | 110_001144   |              |  |
| 12390        | 3.07F-05   | UI-H-ED0-awy-a-01-0-UI s1                                    | BQ017647     | Hs.124747    |  |
| 12000        | 0.012 00   | NCI_CGAP_ED0 cDNA clone                                      | 00011041     | 113.12-1-1   |  |
|              |            | IMAGE:5825160 3', mRNA sequence                              |              |              |  |
|              | •          | /clone=IMAGE:5825160 /clone_end=3'                           | 100          | *            | . *  |
|              |            | /gb=BQ017647 /gi=19752924                                    | *            |              |  |
|              |            |  |              | *            |  |
| 12426        | 0.000636   | /ug=Hs.124747 /len=1445<br>602590145F1 NIH MGC 76 cDNA clone | PCEC4460     | 110 444000   | The state of the s |
| 12426        | 0.000036   |  | BG564169     | Hs.444093    |  |
|              | ·          | IMAGE:4724074 5', mRNA sequence                              |              | 9            |  |
|              |            | /clone=IMAGE:4724074*/clone_end=5                            | 1            |              |  |
| 9.0          |            | /gb=BG564169 /gi=13571821                                    |              |              |  |
| *            |            | /ug=Hs.444093 /len=792                                       | 1            |              | 1. 10  |
| 12477        | 0.000117   | 602022714F1 NCI_CGAP_Brn67 cDNA                              | BF347758     | Hs.280146    |  |
|              | ··         | clone IMAGE:4158098 5', mRNA                                 |              | *            |  |
|              |            | sequence /clone=IMAGE:4158098                                |              | Ť            | ,  |
|              |            | /clone_end=5' /gb=BF347758                                   |              |              |  |
|              | *          | /gi=11295353 /ug=Hs.280146 /len=738                          |              |              |  |
| 12512        | 0.000158   | nx84b05.s1 NCI_CGAP_GCB1 cDNA                                | AA720890     | Hs.291473    | - 1  |
| •            |            | clone IMAGE:1268913 3', mRNA                                 | * *          | 1            |  |
|              |            | sequence /clone=IMAGE:1268913                                | , .          |              |  |
|              |            | /clone_end=3' /gb=AA720890                                   |              |              |  |
|              | 8          | /gi=2737025 /ug=Hs.291473 /len=268                           |              |              |  |
| 12515        | 0.000158   | stress 70 protein chaperone, microsome-                      | NM 006948    | Hs.352341    | NP 008879  |
|              |            | associated, 60kDa (STCH), mRNA                               | _            |              |  |
|              |            | /cds=(37,1452) /gb=NM_006948                                 | ٠.,          |              | ,  |
|              |            | /gi=24431965 /ug=Hs.352341 /len=3998                         |              |              |  |
| 12544        | 0.001164   | cDNA FLJ33247 fis, clone                                     | AK090566     | Hs 349938    | NP 076936.   |
| 9.,          | 0,00,10.   | ASTRO2004974. /gb=AK090566                                   |              | 110.01000    |  |
|              |            | /gi=21748752 /ug=Hs.349938 /len=3175                         | . *          | V            |  |
| 12583        | 0.000336   | Novel, ORF+3(45~300)   |              |              | · · · · · · · · · · · · · · · · · · ·  |
| 12603        |            | BX094154 Soares fetal liver spleen                           | BX094154     | Hs.12962     |  |
| 12000        | 0.001110   | 1NFLS cDNA clone IMAGp998P17654,                             | DX034134     | 113.12302    |  |
| •            |            | mRNA sequence  |              | 100          |  |
|              |            |  |              | *            |  |
|              |            | /clone=IMAGp998P17654_;_IMAGE:2936                           |              |              |  |
|              |            | 32 /gb=BX094154 /gi=27826950                                 |              | f            | 1 6  |
| 40000        | 0.045 5-   | /ug=Hs.12962 /len=758  | A 1 00000    | 11 10000     | ND SSSSSS  |
| 12608        | ช.ช1E-05   | mRNA; cDNA DKFZp586L081 (from clone                          | ALU80234     | Hs.432862    | NP_060312.   |
|              | ,          | DKFZp586L081) /gb=AL080234                                   |              |              |  |
| <del>,</del> |            | /gi=5262727 /ug=Hs.432862 /len=2159                          |              |              |  |
| 12615        |            | No significant match, low complexity                         |              |              |  |
| 12794        | 0.001443   | ribosomal protein L12 (RPL12), mRNA                          | NM_000976    | Hs.405042    | NP_000967  |
|              |            | /cds=(89,586) /gb=NM_000976                                  | 7            |              | W 1/7  |
|              |            | /gi=15431291 /ug=Hs.405042 /len=632                          |              |              |  |

| Spot  | t p-valu Description |  | Accession       | Unigene                                 | Protein   |
|-------|----------------------|--|-----------------|---|-----------|
|       |                      | *  |                 |   | Accession |
| 12025 | 2 G4E 05             | AGENCOURT_8856629                            | PO047170        | Un 256605                               | No.       |
| 12835 | 3.04⊑-05             |  | BQ947179        | Hs.356605                               |           |
|       |                      | Lupski_sciatic_nerve cDNA clone              |                 |   |           |
|       |                      | IMAGE:6200636 5', mRNA sequence              |                 |   |           |
|       |                      | /clone=IMAGE:6200636 /clone_end=5'           |                 |   |           |
|       | 4                    | /gb=BQ947179 /gi=22362657                    | ļ <sup>*</sup>  |   |           |
| 12000 | 1 205 05             | /ug=Hs.356605 /len=1277                      | A A 0 7 2 7 2 4 |   | ND 004007 |
| 12880 |                      | EST(cDNA clone IMAGE:1470581 3')             | AA873731        | Un 220707                               | NP_004087 |
| 12901 | 0.000059             | ESTs, cDNA /clone=IMAGE:1203867              | AA640737        | Hs.336767                               |           |
|       | , ,                  | /gb=AA640737 /gi=2565987                     |                 | ]                                       | -9-       |
| 40040 | 0.00005              | /ug=Hs.336767 /len=416                       | A14005045       | 11 7507                                 |           |
| 12918 | 0.000295             | cDNA: FLJ21962 fis, clone HEP05564.          | AK025615        | Hs.7567                                 |           |
| 1.    | 0.2                  | /gb=AK025615 /gi=10438186                    |                 |   |           |
| 10050 | 0.075.05             | /ug=Hs.7567 /len=3323                        | 144004040       |   |           |
| 12952 | 3.07E-05             | cDNA: FLJ21265 fis, clone COL01584.          | AK024918        | Hs.306728                               |           |
| £ .   |                      | /gb=AK024918 /gi=10437333                    |                 |   |           |
| 10001 | 0.075.05             | /ug=Hs.306728 /len=2233                      |                 | V 2000                                  |           |
| 12981 | 6.97E-05             | selenoprotein H (SELH), mRNA                 | NM_170746       | Hs.290874                               | NP_734467 |
|       |                      | /cds=(243,611) /gb=NM_170746                 |                 |   | *         |
|       |                      | /gi=25014108 /ug=Hs.290874 /len=834          | 1.30            |   | . 8       |
| 13047 | 0.000295             |  |                 |   |           |
| 13058 | 5.82E-05             | No significant match, ORF+1(1~237),-         |                 |   |           |
|       |                      | 3(47~832)                                    |                 |   |           |
| 13064 | 1.38E-05             | No significant match (ORF:-                  |                 |   |           |
|       |                      | 1:37~186[150])                               |                 |   |           |
| 13095 |                      | No significant match, ORF-3(30~198)          |                 |   | 2/200     |
| 13197 | 0.000298             | similar to rat nuclear ubiquitous casein     | NM_022731       | Hs.118064                               | NP_073568 |
|       |                      | kinase 2 (NUCKS), mRNA /cds=(67,558)         | *               |   |           |
|       |                      | /gb=NM_022731 /gi=12232386                   |                 | *                                       | V,        |
|       |                      | /ug=Hs.118064 /len=1811                      |                 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |           |
| 13230 | 0.000295             | ATP-binding cassette, sub-family E           | NM_002940       | Hs.12013                                | NP_002931 |
|       | 7                    | (OABP), member 1 (ABCE1), mRNA               |                 | * -                                     |           |
|       |                      | /cds=(118,1917) /gb=NM_002940                |                 |   |           |
|       |                      | /gi=4506558 /ug=Hs.12013 /len=3568           |                 | <u> </u>                                |           |
| 13330 | 0.001164             | bridging integrator 2 (BIN2), mRNA           | NM_016293       | Hs.14770                                | NP_057377 |
| :     | *                    | /cds=(39,1736) /gb=NM_016293                 |                 |   |           |
|       |                      | /gi=7706486 /ug=Hs.14770 /len=2206           |                 | * 3                                     |           |
| 13338 | 0.000523             | solute carrier family 30 (zinc transporter), | NM 022902       | Hs.129445                               | NP_076960 |
|       | ,                    | member 5 (SLC30A5), mRNA                     |                 |   |           |
|       |                      | /cds=(202,2499) /gb=NM_022902                |                 |   |           |
|       |                      | /gi=20070322 /ug=Hs.129445 /len=2952         |                 | Y Y                                     |           |
|       |                      |  |                 |   |           |
| 13364 | 8.5E-06              | hypothetical protein BC009518                | NM_138363       | Hs.135265                               | NP_612372 |
|       |                      | (LOC90799), mRNA /cds=(59,2524)              | _ ,             |   |           |
|       |                      | /gb=NM_138363 /gi=19923898                   | *               |   |           |
|       | 9.00                 | /ug=Hs.135265 /len=2705                      | *               | 1                                       |           |
| 13512 | 0.000928             | EST EST384986 MAGE resequences,              | AW972891        | · · · · · · · · · · · · · · · · · · ·   | NP_078939 |
|       |                      | MAGL   | 1               | *                                       | 7         |
|       | 1                    |  | <u> </u>        |   | .L        |

| Spot                                    | p-value  | value Description                                      |                                    | Unigen     | Protein                 |
|---|----------|--|------------------------------------|------------|-------------------------|
|   | •        |  |                                    | *          | Accession               |
| 13761                                   | 6 73F-05 | optic atrophy 1 (autosomal dominant).                  | NM 130837                          | Hs 147946  | <b>No.</b><br>NP 570850 |
| ),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |          | (OPA1), nuclear gene encoding                          | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 110.11.010 | 0,0000                  |
|   |          | mitochondrial protein, transcript variant 8,           |                                    |            |                         |
|   |          | mRNA /cds=(56,3103) /gb=NM_130837                      |                                    |            |                         |
|   |          | /gi=18860844 /ug=Hs.147946 /len=6029                   |                                    | ٠.         |                         |
|   |          |  |                                    | *          | *                       |
| 13789                                   | 0.000357 | cDNA FLJ31372 fis, clone                               | AK055934                           | Hs.89388   |                         |
|   |          | NB9N42000281. /gb=AK055934                             |                                    |            |                         |
| 72 - 7                                  | 1        | /gi=16550786 /ug=Hs.89388 /len=2606                    |                                    |            |                         |
| 13812                                   | 0.001554 | plasminogen activator, tissue (PLAT),                  | NW_000930                          | Hs 274404  | NP_127509               |
|   | •        | transcript variant 1, mRNA                             |                                    |            |                         |
|   |          | /cds=(209,1897) /gb=NM_000930                          |                                    |            |                         |
| 40040                                   | 0.075.05 | /gi=14702165 /ug=Hs.274404 /len=2653                   | 11/00/11/00                        |            | ND 000050               |
| 13818                                   | 3.07E-05 | bladder cancer-related protein (LHX)                   | AY034106                           |            | NP_002856               |
| 13854                                   | 2 07E 05 | gene, partial.3'UTR sequence palmdelphin (PALMD), mRNA | NIM 017724                         | Up 14606   | ND 000004               |
| 13004                                   | 3.07E-03 | /cds=(286,1941) /gb=NM_017734                          | NM_017734                          | Hs.14606   | NP_060204               |
|   |          | /gi=16306484 /ug=Hs.14606 /len=2581                    |                                    |            |                         |
| 13863                                   | 0.001021 | cDNA FLJ14844 fis, clone                               | AK027750                           | Hs.93748   | BAB55342.1              |
| 10000                                   | 0.001021 | PLACE1000133, highly similar to                        | 7.11.027730.                       | 113.33740  | DAD33342.1              |
| (0)                                     | 5        | TRANSCRIPTION FACTOR BTF3.                             |                                    |            |                         |
|   |          | /cds=(91,567) /gb=AK027750                             |                                    | =          | •• .                    |
|   |          | /gi=14042660 /ug=Hs.93748 /len=2203                    |                                    |            |                         |
| 13869                                   | 0.00135  | peptidylprolyl isomerase C (cyclophilin C)             | NM_000943                          | Hs.110364  | NP_000934               |
| ,                                       |          | (PPIC), mRNA /cds=(88,726)                             | _                                  |            |                         |
|   |          | /gb=NM_000943 /gi=20149506                             |                                    |            |                         |
|   |          | /ug=Hs.110364 /len=1015                                |                                    |            |                         |
| 13903                                   | 0.000791 | cDNA FLJ32300 fis, clone                               | AK056862                           | Hs.201676  | NP_005782               |
|   |          | PROST2002227, highly similar to M-                     |                                    | 9:         | *                       |
| , ,                                     | -        | PHASE PHOSPHOPROTEIN 10.                               |                                    |            |                         |
|   |          | /gb=AK056862 /gi=16552379                              |                                    | 9          |                         |
| 13954                                   | 0.000400 | /ug=Hs.201676 /len=2334                                | A A 720500                         | T          |                         |
| 13934                                   | 0.000492 | EST nw48e08.s1 NCI_CGAP_Ew1                            | AA730589                           | 300        | ı                       |
| 14039                                   | 0.465.06 | IMAGE:1249862<br>hypothetical protein FLJ10038         | NM_017976                          | Hs.181202  | NP 060446               |
| 14000                                   | 3.40L-00 | (FLJ10038), mRNA /cds=(167,577)                        | 14141_017970                       | 113.101202 | 147_000440              |
|   |          | /gb=NM_017976 /gi=8922197                              |                                    | •          |                         |
|   |          | /ug=Hs.181202 /len=1461                                |                                    |            |                         |
| 14081                                   | 0.000316 | mRNA; cDNA DKFZp434H2019 (from                         | AL137535                           | Hs.15806   | NP_116212.1             |
|   |          | clone DKFZp434H2019) /gb=AL137535                      |                                    |            |                         |
|   |          | /gi=6808211 /ug=Hs 15806 /len=1974                     |                                    | <u></u>    |                         |
| 14094                                   | 0.000112 | EST (wh67d04.x1 NCI_CGAP_Kid11                         | AI766049                           |            | T08781                  |
|   |          | IMAGE:2385799 3')                                      |                                    |            |                         |
| 14166                                   | 0.001443 | cDNA FLJ38536 fis, clone                               | AK095855                           | Hs.30089   |                         |
|   |          | HCHON2001200. /gb=AK095855                             |                                    |            |                         |
|   |          | /gi=21755199 /ug=Hs.30089 /len=2950                    |                                    |            |                         |
| 14247                                   | 2.76E-05 | clone IMAGE:4836898, mRNA                              | BC042527                           | Hs.434231  |                         |
|   |          | /gb=BC042527 /gi=27502923                              |                                    |            | ***                     |
|   |          | /ug=Hs.434231 /len=2935                                |                                    | 4          |                         |

| Spot  | p-value  | D scription                              | Acc ssion | Unigene   | Protein Accession No. |  |
|-------|----------|--|-----------|-----------|-----------------------|--|
| 14291 | 0.000377 | calmodulin 2 (phosphorylase kinase,      | NM_001743 | Hs.425808 | NP_001734             |  |
|       |          | delta) (CALM2), mRNA /cds=(69,518)       |           |           |                       |  |
|       |          | /gb=NM_001743 /gi=20428653               |           |           |                       |  |
| *     |          | /ug=Hs.425808 /len=1128                  |           |           |                       |  |
| 14371 | 0.000356 | EST391381 MAGE resequences, MAGP         | AW979271  | Hs.293184 |                       |  |
|       | •        | cDNA, mRNA sequence /gb=AW979271         |           |           |                       |  |
|       | * ,      | /gi=8170559 /ug=Hs.293184 /len=577       |           |           | · .                   |  |
| * 1   |          |  |           |           | <u> </u>              |  |
| 14399 | 3.37E-06 | EST, clone 25032 mRNA sequence           | AF131764  | Hs.396998 | NP_071919             |  |
|       | 1.2      | /cds=UNKNOWN /gb=AF131764                |           | 2 1       |                       |  |
|       |          | /gi=4406586 /ug=Hs.13399 /len=1798       |           |           | ļ                     |  |
| 14427 |          | EST(cDNA clone IMAGE:2420325 3')         | AI814793  |           | NP_005617             |  |
| 14455 |          | No significant match, ORF+3(135~404)     | <u> </u>  |           |                       |  |
| 14501 |          | No significant match                     |           |           |                       |  |
| 14517 | 0.000295 | xq09e02.x1 NCI_CGAP_Ut1 cDNA clone       | AW517395  | Hs.445194 | NP_064622.1           |  |
|       |          | IMAGE:2750138 3' similar to contains Alu | -         |           |                       |  |
|       |          | repetitive element;, mRNA sequence       |           |           |                       |  |
| ,     | 8        | /clone=IMAGE:2750138 /clone_end=3'       |           |           | j                     |  |
|       | 4        | /gb=AW517395 /gi=7155477                 |           |           |                       |  |
|       |          | /ug=Hs.445194 /len=519                   |           |           | *                     |  |
| 14626 | 0.000949 | cDNA FLJ31439 fis, clone                 | AK056001  | Hs.349656 | NP_060312.1           |  |
| , .   |          | NT2NE2000707. /gb=AK056001               | 00        |           |                       |  |
|       |          | /gi=16550873 /ug=Hs.349656 /len=2009     | 1 .       |           |                       |  |
| 14784 | 0.000882 | ak04g10.s1                               | AA845596  | Hs.275849 | NP_060312.1           |  |
|       |          | Soares_parathyroid_tumor_NbHPA cDNA      | ·         | ,         | · ·                   |  |
|       |          | clone IMAGE:1405026 3' similar to        |           |           |                       |  |
| . •   |          | contains Alu repetitive element;, mRNA   |           | 1         |                       |  |
|       |          | sequence /clone=IMAGE:1405026            |           |           |                       |  |
|       |          | /clone_end=3' /gb=AA845596               |           |           | 1                     |  |
|       | . *      | /gi=2933355 /ug=Hs.275849 /len=525       |           |           | <b>\</b>              |  |
| - 0   |          |  |           |           |                       |  |
| 14785 | 0.000492 | cDNA FLJ37586 fis, clone                 | AK094905  | Hs.141269 |                       |  |
|       | . ,      | BRCOC2005903. /gb=AK094905               |           |           | ***                   |  |
|       |          | /gi=21754065 /ug=Hs.141269 /len=2373     |           |           |                       |  |
| 14834 | 0.000743 | component of oligomeric golgi complex 1  | NM_018714 | Hs.283109 | NP_061184             |  |
|       | }        | (COG1), mRNA /cds=(27,2969)              | ·         | j         | 1                     |  |
| 45 ,  |          | /gb=NM_018714 /gi=21237782               |           |           |                       |  |
|       |          | /ug=Hs.283109 /ien=3047                  |           |           |                       |  |
| 14849 | 0.000135 | cDNA FLJ11469 fis, clone                 | AK021531  | Hs.224398 | . 1                   |  |
| ,     |          | HEMBA1001658. /gb=AK021531               | _         |           |                       |  |
|       |          | /gi=10432731 /ug=Hs.224398 /len=1665     |           |           |                       |  |
| 14939 | 0.000492 | control                                  |           |           |                       |  |

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|                      |                |               |             |            |            |            |     |
| (                    |                |               | ÷ ;         | *          | :          | y          |     |
| tggatg               | ctga           | accacataac    | agcagatggc  | attgctgtga | agtatactgg | atggaataca | 120 |
|                      |                | V- V- y . (1) |             | · ·        |            | - 00       |     |
|                      | 1.             |               | *           |            | •          |            | :   |
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|                      |                |               |             |            | *8         |            | E-1 |
|                      |                |               |             |            | *          | ;<br>      |     |
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|                      |                | 3             | * .         |            |            |            |     |
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|                      |                |               |             |            |            |            | i i |
|                      |                |               | + **        |            | *          |            |     |
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|                      |                | (3)           | ¢.          |            | •          |            |     |
| aaaa = ÷             |                | 2-022225      | ataas sassa | 2+2+2+22+  | anttataatt |            | 100 |
| cccaag               | aygg           | alyaagccgt    | grccacaggg  | atatatacat | cattatggtt | CCCALCLECC | 120 |
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 tgttttggag taaaatgcac aaataatttc tcttgccttg caaacacatt ttttttctg
                                                                     180
                                                                     240
 tcattgcaat gtgcacaaag ggccacgagg atctacaaga aagcctgcct tattctgacc
```

aggagtgggg agetgacaag aggetteaca gageaggtga tgtttagaga ggaatgtete

| ccatttccta   | gtagcctgtg                            | aggctctcaa | aaccgggaat | caagtttccc | ttctgaactc              | 360   |
|--|---------------------------------------|------------|------------|------------|-------------------------|-------|
|  |                                       |            | •          |            | •                       | • :   |
| ,  |                                       |            |            |            |                         |       |
| agttctcaat   | catataggga                            | tagggttccc | aggtgtgcct | ctatototao | aggetetatt              | 420   |
| -3   | -3-3335                               |            |            |            |                         | 7 7 7 |
|  | · · · · · · · · · · · · · · · · · · · |            |            |            |                         |       |
|  |                                       |            |            |            |                         |       |
| ataccctgga   | tacacattga                            | tatgcatgtg | caatgctgga | atcaccagcc | cccangtcct              | 480   |
| Transfer of the second   |                                       |            |            |            |                         | t.    |
|  | •                                     |            |            |            | ÷.                      |       |
| cctcccaaat   | gtgcatgttt                            | tttgacccat | gtcacattta | attritttt  | tcaattgacg              | 540   |
|  | :                                     | 54         | 3-49-4     |            |                         |       |
|  |                                       |            |            |            |                         |       |
|  | · <u>:</u> .                          |            |            | *          |                         |       |
| ggtttttagg   | gcaaanttnc                            | caaaacatcc | cccactttgc | catantcccc | tgtcattcca              | 600   |
|  |                                       |            |            |            |                         | •     |
|  |                                       |            |            | * = "      |                         |       |
| tattonctto   | cactgacatg                            | atteacteat | tgatattgcc | tatnacattc | ctatggcctt              | 660   |
|  |                                       |            |            | 13-1-2-5-1 |                         |       |
|  |                                       |            |            |            |                         |       |
| (b)  |                                       |            |            | •          |                         | •     |
| tgagtttgca   | nactgggttt                            | gggggaaacc | cangnaaaaa | aacctctttg | aaanggggaa              | 720   |
|  |                                       |            |            |            | *                       |       |
|  |                                       |            |            |            |                         | 0.0   |
| *  |                                       | 4.5        |            |            |                         |       |
| ccccccaat  | ggtggggaa                             | ananaactqq | actttntttq | qqaqnccnqa | atttqctctt              | 780   |
| ccccccaat  | ggtgggggaa                            | ananaactgg | actttntttg | ggagnccnga | atttgctctt              | 780   |
| ccccccaat  | ggtggggaa                             | ananaactgg | actttntttg | ggagnccnga | atttgctctt              | 780   |
|  |                                       | *          |            |            |                         |       |
|  |                                       | *          |            |            | atttgctctt<br>gaaaatntg |       |
|  |                                       | *          |            |            |                         |       |
|  |                                       | *          |            |            |                         |       |
|  |                                       | *          |            |            |                         |       |
|  |                                       | *          |            |            |                         |       |
|  |                                       | *          |            |            |                         |       |
| gaccaggcag   |                                       | *          |            |            |                         |       |
| gaccaggcag   |                                       | *          |            |            |                         |       |
| gaccaggcag <210> 7 <211> 118   |                                       | *          |            |            |                         |       |
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| <210>  | 8             |               | • •           |   |            |           |
|--------|---------------|---------------|---------------|---|------------|-----------|
|        |               | e e e         |               | <u></u>   |            |           |
| <211>  | 197           |               |               |   |            |           |
| <212>  | DNA           |               |               | •   |            | ,         |
| 721,42 | DIVA          |               |               |   |            |           |
| <213>  | Human         |               |               |   |            |           |
|        |               |               |               |   |            |           |
|        |               |               |               | -8  |            |           |
|        | *             |               |               | *   |            |           |
| <400>  | 8             |               |               | : · ·   |            |           |
|        |               |               |               | •   | * /        |           |
| gttgca | gtga gccgagat | ca taccactgo  | a ctccagccta  | ggcaacagag  | cgagactcgg | : :60     |
|        | å             | * *           | ()            |   | •          | •         |
| ٠.     |               | 4.5           |               |   | •          | •         |
| tcaaaa | gaaa aaaaaaa  | aga gaagetaga | c gtgggtacta  | atgccgtaat  | cccaggcctt | 120       |
| ·      | Juan adama    | ~33 33~3~4333 | - 3433344.544 |   |            |           |
|        |               |               |               | 9   | * **       |           |
|        |               |               | *             |   |            |           |
| tgggaa | tccc aggcaage | gtg gcctttagg | g caaggagttc  | ggaacctccc  | tgctaacagg | 180       |
|        |               |               |               |   |            | ( · · · · |
|        | •             |               |               |   |            |           |
|        |               |               |               |   | in .       | 107       |
| taaacc | ccct ttccctt  |               |               | 10 to | * *        | 197       |
| ·      |               |               | 1.2           |   |            | •         |
|        |               |               |               |   | . (0       |           |
|        |               | 11.<br>11.    | 9             | * 4.41  |            |           |
| * .    |               |               |               |   | •          |           |
| <210>  | 9             |               |               |   | *          | *. **     |
| *      |               | : · · ·       |               |   | *          |           |
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| 72137  | numan ,       |               |               |   |            |           |
|        | *.            |               |               | •   |            |           |
|        | 4             | 0 0           |               |   |            |           |
| <400>  | 9             | Co.           |               |   |            | .*.       |
|        | · :           |               |               | 0   |            |           |
| gagacc | aagg ccgcccc  | gct ctggtctca | g accagtigtg  | ctgctcttgc  | tctggctcag | , 60      |
| • .    | · .           |               |               |   |            |           |
|        |               |               |               | -   | -0         |           |
|        |               |               |               |   | ahahasas = | 100       |
| ctggtg | tggg gcgcaggo | cgg gaaacgaga | c ctctagcatc  | : cggccgaagg  | ctctgccaag | 120       |
|        |               |               | .=            | •   | . 4        | . 68      |
|        |               |               | * -           | e)(p  | 7          |           |
|        |               |               |               |   |            |           |
| ctcctc | ttca gggctgca | agt ctacctacc | t gcatatacco  | acttaaccaa  | acactactac | 180       |

taaattccag ggactctttc tcccctcctc tgctctccag ccaatccttg aggatttaat 240

aactggaagg 250

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atgaggagca tggtctttaa gaacatgctg agaaggaagc aacacagact ccatcactgg , 180
gggaagcacc tgaatagagc actggtaaag gccagtctgt ggacctgagg ccagaggaga
tgccaggggt ccagatttca tggcccacag aaacggaact gatcatattt ggttgctggc
                                                                     300
cagtgttcca tagaccaaga aggctggtag caagtataga ttcctctaca tagcttgaca
                                                                     360
ggagaagaga aaggggaatg tagcacacag gatgcagcag gtgaataaga aaacctcctt 420
```

| tt¢ccaggtt                                  | ggngacagtg                             | agtgatctac                              | agtgatactc                             | aaaagattgt                             | gattggtgtg                             | 480        |
|---|--|---|--|--|--|------------|
|   |  |   | * *                                    |  |  |            |
| ggaattagta                                  | tatanakata                             | hantataga                               | 2622222                                | x                                      |  |            |
| ggaatteetg                                  | teteaatatg                             | caatctgcca                              | agaaaacact                             | grgarggrrr                             | cctgtaaagt                             | 540        |
| *   | ,                                      |   | •                                      |  |  |            |
| aaccctcttt                                  | tcttatctct                             | aatttcacaa                              | gactcttaaa                             | tgagaggggg                             | gggagaaagn                             | .600       |
|   |  |   |  |  |  |            |
|   |  |   | •                                      |  |  |            |
| gttctttctc                                  | actenectaa                             | aactgngggt                              | ctgcctggag                             | aaaanctaca                             | tctgcacaga                             | 660        |
| *   |  | •                                       |  |  |  |            |
| naatgctggt                                  | tagggaggaa                             |   | *                                      |  |  | 680        |
| naacyccyyc                                  | cagccaggaa                             |   | *                                      |  |  | 000        |
|   |  |   |  |  | •                                      |            |
|   |  | · · · · · · · · · · · · · · · · · · ·   |  |  |  |            |
| <210> 11                                    | 4                                      |   | in                                     | *                                      | *                                      |            |
|   | •                                      |   |  | +                                      |  |            |
| <211> 318                                   |  |   |  |  |  |            |
| <212> DNA                                   |  | · • • • • • • • • • • • • • • • • • • • |  |  |  |            |
| <213> Huma                                  | an                                     |   |  | in the second second                   | 1.                                     |            |
|   |  |   | •                                      |  |  |            |
|   |  |   |  | a*                                     |  |            |
|   | , , , , , , , , , , , , , , , , , , ,  |   | 99                                     | *                                      |  |            |
| <400> 11                                    |  |   | , ()<br>, ()                           | * * .                                  | · · · · · · · · · · · · · · · · · · ·  |            |
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|   | actccatgga                             | aacaattgcc                              | gagcacgtgc                             | tcgcaatttg                             | ccgagcacgg                             | 60         |
| cctgcagagt                                  | * * * * * * * * * * * * * * * * * * *  |   | ×                                      |  |  | 60         |
| cctgcagagt                                  | * * * * * * * * * * * * * * * * * * *  | aacaattgcc<br>taagactagg                | ×                                      |  |  | 60<br>120  |
| cctgcagagt                                  | * * * * * * * * * * * * * * * * * * *  |   | ×                                      |  |  |            |
| cctgcagagt<br>tccggtttga                    | actcctagac                             | taagactagg                              | taggtgatac                             | ataccttctt                             | cccaccaagt                             | 120        |
| cctgcagagt<br>tccggtttga                    | actcctagac                             |   | taggtgatac                             | ataccttctt                             | cccaccaagt                             |            |
| cctgcagagt<br>tccggtttga                    | actcctagac                             | taagactagg                              | taggtgatac                             | ataccttctt                             | cccaccaagt                             | 120        |
| cctgcagagt<br>tccggtttga<br>actcacgatc      | actcctagac<br>caaactatga               | taagactagg                              | taggtgatac<br>cggatcaaac               | ataccttctt<br>gaggattgat               | cccaccaagt<br>ccgagggacc               | 120        |
| cctgcagagt<br>tccggtttga<br>actcacgatc      | actcctagac<br>caaactatga               | taagactagg<br>attttagatt                | taggtgatac<br>cggatcaaac               | ataccttctt<br>gaggattgat               | cccaccaagt<br>ccgagggacc               | 120<br>180 |
| cctgcagagt tccggtttga actcacgatc aacgttgtga | actcctagac<br>caaactatga<br>taaatcttac | taagactagg<br>attttagatt                | taggtgatac<br>cggatcaaac<br>atattaagtt | ataccttctt<br>gaggattgat<br>tttgtggagg | cccaccaagt<br>ccgagggacc<br>atcggataag | 120<br>180 |

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| •                                       |               |           |            |  |            |                                       |             |
|---|---------------|-----------|------------|--|------------|---------------------------------------|-------------|
| •                                       |               | . )       | • 0        | •  |            |                                       |             |
|   |               |           |            | *  |            | a 0, 0 m                              | . 1.4       |
| <210>                                   | 12            |           | •          |  |            | ,                                     | .:          |
| •                                       |               |           |            | 0  |            |                                       | ٠.          |
| <211>                                   | 155           |           | · ·        | <ul> <li>Control of the second of the se</li></ul> | •          |                                       |             |
| <211>                                   | TOO           |           |            |  |            | -                                     |             |
|   |               |           |            |  | ,          |                                       |             |
| <212>                                   | DNA           | ***       |            |  |            |                                       |             |
|   | ; =           |           |            |  | 111        |                                       |             |
| <213>                                   | Human         |           |            |  |            |                                       |             |
| ,ZI32.                                  | munian        |           |            |  |            |                                       |             |
| ÷                                       |               | , .       | *          | :  |            | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ;           |
| . 4.                                    |               |           |            |  |            | * *                                   |             |
| :                                       |               |           |            | •  |            |                                       |             |
| <400>                                   | 12            |           |            |  |            |                                       |             |
| (10,0)                                  | +-            |           |            |  |            |                                       |             |
| •                                       |               |           |            |  |            |                                       | . *         |
| tctcac                                  | attg ga       | catactca  | aaattcactt | ataatcttca   | caccaccaaa | aacttaccca                            | . 60        |
| • :                                     |               |           | 1          |  |            |                                       | against the |
| ٠.                                      |               | •         |            |  |            |                                       |             |
|   |               |           |            |  |            |                                       |             |
| ·                                       |               |           |            |  |            |                                       |             |
| tatcaa                                  | atta ta       | aacccacc  | cacattactt | aaaatttttt   | acatttccca | ataaaaaacc .                          | 120         |
|   | - a p         |           |            |  |            |                                       |             |
| 20.00                                   |               |           |            |  |            |                                       |             |
|   |               |           | 1          |  |            |                                       |             |
|   |               |           |            | ,  | i          | • "                                   | •.          |
| caaata                                  | aaca aa       | aacttcca  | atctccattt | aaaat  | *          |                                       | 155         |
|   |               |           |            |  |            |                                       |             |
|   |               |           |            |  |            |                                       | •           |
|   | •             |           |            | • •  |            | * * .                                 |             |
|   |               |           |            |  |            |                                       |             |
| 1000                                    |               |           |            | *.   |            |                                       |             |
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|   | ,             |           |            | 4  | •          |                                       | ,           |
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| 0.                                      | numan         |           |            |  |            | *                                     |             |
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| * | numan         | *         | *          |  | *          |                                       | •           |
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|   | 13            |           | aatatatoo  | ttgatgagag   | 220200000  | etatorease                            | 60          |
|   | 13            |           | aatatatgaa | ttcatcacac   | aacacgcaca | ctgtccccac                            | 60          |
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|   | 13            |           | aatatatgaa | ttcatcacac   | aacacgcaca | ctgtccccac                            | 60          |
| aataaa                                  | 13<br>caaa ca | ıtgeçetet |            |  |            | 10                                    |             |
| aataaa                                  | 13<br>caaa ca | ıtgeçetet |            |  |            | ctgtccccac<br>aaatgctgga              |             |
| aataaa                                  | 13<br>caaa ca | ıtgeçetet |            |  |            | 10                                    |             |
| aataaa                                  | 13<br>caaa ca | ıtgeçetet |            |  |            | 10                                    | 60          |
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|  | gaaaaanttt | tccggggggc | ccacccggga | agggntnccg | gggaaggg |
|--|------------|------------|------------|------------|----------|
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| - 1 | h | > |
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|   | <212> D                 | NA     |                 |                         | . ·        | •            | *                                       | •     | ie s  |
|   |                         |        |                 |                         | 10 *       |              | ٠                                       | :     |       |
|   | <213> H                 | uma    | n e g           | .00                     | I          |              |   |       |       |
|   | erio.<br>De la companya | •      | 9 ·             | * -                     |            |              |   |       |       |
|   | *                       |        | 7-50-           |                         |            |              |   |       |       |
|   | <400> 1                 | 5      |                 |                         | - **       |              | * | ٠.    | · · · |
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|   |                         | -      | ,               |                         |            | 3-5-3555     |   | , , , | -     |
|   |                         | •      |                 |                         |            | 100          | - X                                     |       | :     |
|   | ggaacaaa                | tt.    | taggatagaa      | atataagget              | gggattacag | gcatgagcca   | ccaagcccgg                              |       | 120   |
|   | )                       |        | -5555           |                         | gggaccacag | godogagood   | coaagooogg                              | -     | 120   |
|   |                         |        |                 |                         | S. 88      |              |   |       |       |
|   | cccacatt                | t du i | catttttaat      | atatactoto              | ctttacaaat | attataatat   | gttttaaaat                              |       | 180:  |
| : | Jocacacc                | 1      | - Carrier Carr  | açaçacegeg <sub>.</sub> | ·          | accacaacac   | geeecaaaae                              |       | 100   |
|   |                         |        | - 00            | 4.                      |            | •            |   |       |       |
|   | atottoac                | a c    | aaggaggtgg      | tototosato              | acataccaac |              | ataagcattc                              |       | 240   |
|   | acycecae                | ay i   | aagcacccgg      | cccgcgaacg              | gcacgccagc | accaaaaaaa . | acaageacce                              |       | 240   |
|   |                         |        |                 | 4 <sub>0</sub>          |            |              | *                                       |       |       |
|   | tttqaata                | ta i   | tatttagttt      | tttaatataa              | taggaaaatg | 2220002020   | agagt aga a a                           |       | 200   |
|   |                         | La     | cacceageee      | cccaacgcgg              | taggaaaatc | aaayccayay   | ggagcagaaa                              |       | 300   |
|   | . *                     |        |                 | •                       |            | •            |   | •     |       |
|   | casasttt                | at i   | gattttgtaa      | atacttette              | gctgcaggga | 20222000     | tagaagaga                               |       | 360   |
|   | Caaaaccc                | 94 1   | gacccccaa       | acacececty              | getgeaggga | agaaaccacg   | ccccaggcga                              |       | 360   |
|   | *                       |        | -               |                         | again a    |              |   |       |       |
|   | agtagtag                | at.    | o o tetro e tra | taaaattaaa              | tagaaggaat | +            | 25222222                                |       | 420   |
|   | agreerae                | ابد ا  | aaccegacya      |                         | tggaagggat | ,            | acgaggacct                              |       | 420   |
| • |                         | ·<br>) |                 |                         |            | .V.          |   |       |       |
|   | aggaagat                |        | tannanan        |                         | -          |              | *                                       |       | 420   |
|   | accaayat                | 99     | tcaacaga        | . 8                     | J          | •            |   |       | 438   |
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|                 |            |             | +          | - 00       |            |       |
| aagtttaatc      | cctgggttct | aactaccctt  | actgtcactt | agcttaacct | gcctccaatc | 120   |
|                 |            |             | e          | - %        |            |       |
| ctgtacttga      | actctaaaac | tgttggagaa  | actcagtgct | taccccaaca | gattcatttc | 180   |
|                 | ·          | * * *       | *          |            |            |       |
| aaatagctgt<br>! | aaaaggtatg | tttactccag  | aagaccagag | ttgcttcttt | tgaacttctc | 240   |
|                 |            |             |            | *          | ·          |       |
| attccttggg      | cctaggaacc | ctcatcaccc' | tcatcccaac | gtcaacccag | atcttctctt | · 300 |
|                 |            |             |            |            | *          |       |
| ccataaacag      | cactccctca | ggcccctgcc  | tgacacaggc | atagactgtc | atgttggatt | 360   |
|                 | · e        |             |            |            |            |       |
| cacagacagg      | ctgtgctaga | ggaaacctct  | ggggctcacc | aggggccgtg | ggatgggctt | 420   |
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| gttctgggna acgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa           | 240 |
|---|-----|
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| tg - real real real real real real real real                                | 242 |
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| teteagetea etgeaaeete eaceteteag gagaattget gaacetggga ggeggaggtt           | 120 |
|   |     |
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